# **CODEX GENERAL STANDARD FOR FOOD ADDITIVES**

# **TABLE ONE**



Additives Permitted for Use Under Specified Conditions in Certain Food Categories or Individual Food Items

#### **ACESULFAME POTASSIUM**

Acesulfame Potassium INS: 950

Function: F	Flavour Enhancer, Sweetener					
Food Cat. No.	Food Category	Max L	evel	Comments	Step	Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	500	mg/kg		6	
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)		GMP		6	
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	500	mg/kg		3	
01.3.2	Beverage whiteners		GMP		6	
01.3.2	Beverage whiteners	2000	mg/kg		3	
01.4	Cream (plain) and the like		GMP		6	
01.4	Cream (plain) and the like	1000	mg/kg		3	
01.5	Milk powder and cream powder and powder analogues (plain)	3000	mg/kg		3	
01.5.1	Milk powder and cream powder (plain)		GMP		6	
01.6.1	Unripened cheese		GMP		6	
01.6.1	Unripened cheese	500	mg/kg		3	
01.6.5	Cheese analogues	350	mg/kg		3	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	1000	mg/kg		6	
02.3	Fat emulsions maily of type oil-in-water, including mixed and/or flavoured products based on fat emulsions		GMP		6	
02.3	Fat emulsions maily of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	1000	mg/kg		3	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	1000	mg/kg		6	
03.0	Edible ices, including sherbet and sorbet	800	mg/kg		6	
04.1.2.1	Frozen fruit	500	mg/kg		6	
04.1.2.2	Dried fruit	500	mg/kg		6	

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Function: Flavour Enhancer, Sweetener

	Function: Fla	avour Enhancer, Sweetener						
•	Food Cat. No.	Food Category	Max L	evel	Comments	Step	Year	٠
	04.1.2.3	Fruit in vinegar, oil, or brine	200	mg/kg		6		
	04.1.2.4	Canned or bottled (pasteurized) fruit	500	mg/kg		6		
	04.1.2.5	Jams, jellies, marmelades	1000	mg/kg		6		
	04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	1000	mg/kg		6		
	04.1.2.7	Candied fruit	500	mg/kg		6		
	04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	1000	mg/kg		6		
	04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	1000	mg/kg		6		
	04.1.2.10	Fermented fruit products		GMP		6		
	04.1.2.10	Fermented fruit products		mg/kg		3		
	04.1.2.11	Fruit fillings for pastries	1000	mg/kg		6		
	04.1.2.12	Cooked fruit	500	mg/kg		6		
	04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	200	mg/kg		6		
	04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	1000	mg/kg		3		
	04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	350	mg/kg		6		
	04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	2500	mg/kg		6		
	04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	350	mg/kg		6		
	04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10		GMP		6		
	04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	1000	mg/kg		3		
	05.1.1	Cocoa mixes (powders) and cocoa mass/cake	2500	mg/kg		6		
	05.1.2	Cocoa mixes (syrups)	500	mg/kg		6		
	05.1.3	Cocoa-based spreads, including fillings	2500	mg/kg		6		
	05.1.4	Cocoa and chocolate products	1000	mg/kg		6		
	05.1.4	Cocoa and chocolate products	2000	mg/kg		3		
	05.1.5	Imitation chocolate, chocolate substitute products	2500	mg/kg		6		
	05.2.1	Hard candy	3500	mg/kg		6		
	05.2.2	Soft candy	2500	mg/kg		6		
	05.2.3	Nougats and marzipans	2500	mg/kg		6		
	05.3	Chewing gum	5000	mg/kg		6		
	05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500	mg/kg		6		

Function: Flavour Enhancer, Sweetener

Function: F	lavour Enhancer, Sweetener			
Food Cat. No.	Food Category	Max Leve	l Comments	Step Year
06.1	Whole, broken, or flaked grain, including rice	300 mg	/kg	3
06.3	Breakfast cereals, including rolled oats	1200 mg	/kg	6
06.4.2	Dried pastas and noodles and like products	1000 mg	/kg	3
06.4.3	Pre-cooked pastas and noodles and like products	1000 mg	/kg	3
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	350 mg	/kg	6
07.1	Bread and ordinary bakery wares	GM	1P	6
07.1	Bread and ordinary bakery wares	1000 mg	/kg	3
07.2.1	Cakes, cookes and pies (e.g., fruit-filled or custard types)	1000 mg	/kg	6
07.2.2	Other fine bakery products (e.g., doughnuts, sweet rolls, scones, and muffins)	2000 mg	/kg	6
07.2.3	Mixes for fine bakery wares (e.g., cakes, pancakes)	1000 mg	/kg	6
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	600 mg		6
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	GM		6
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	600 mg		3
10.4	Egg-based desserts (e.g., custard)	350 mg	-	6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	1000 mg		6
11.6	Table-top sweeteners, including those containing high- intensity sweeteners	GM		6
11.6	Table-top sweeteners, including those containing high- intensity sweeteners	15000 mg		3
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	GM		6
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	2000 mg		3
12.3	Vinegars	GM		6
12.3	Vinegars	2000 mg	-	3
12.4	Mustards	350 mg		6
12.5	Soups and broths	110 mg	/kg	6
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	1000 mg	/kg	6
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	350 mg	/kg	6
12.6.3	Mixes for sauces and gravies	350 mg	/kg	6
12.6.4	Clear sauces (e.g., fish sauce)	350 mg	/kg	6
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	1000 mg	/kg	6
13.1.3	Formulae for special medical purposes for infants	450 mg	/kg	3
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	450 mg	/kg	6
13.4	Dietetic formulae for slimming purposes and weight reduction	450 mg	/kg	6
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	500 mg	/kg	6
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	1000 mg	/kg	3
13.6	Food supplements	2000 mg	/kg	6

Function: F	lavour Enhancer, Sweetener			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
14.1.2.2	Vegetable juice	600 mg/kg	ı	6
14.1.2.4	Concentrates for vegetable juice	500 mg/kg	Note 127	6
14.1.2.4	Concentrates for vegetable juice	3000 mg/kg	Note 14	3
14.1.3.1	Fruit nectar	350 mg/kg	l	7
14.1.3.3	Concentrates for fruit nectar	350 mg/kg	Note 127	7
14.1.3.4	Concentrates for vegetable nectar	500 mg/kg	Note 127	6
14.1.3.4	Concentrates for vegetable nectar	2500 mg/kg	Note 14	3
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	600 mg/kg	l	6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	600 mg/kg	I	3
14.2.1	Beer and malt beverages	350 mg/kg	I	6
14.2.2	Cider and perry	350 mg/kg	I	6
14.2.3	Grape wines	GMP		6
14.2.3	Grape wines	500 mg/kg	l	3
14.2.4	Wines (other than grape)	GMP		6
14.2.4	Wines (other than grape)	500 mg/kg	l	3
14.2.5	Mead	GMP		6
14.2.5	Mead	500 mg/kg	I	3
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	GMP		6
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	350 mg/kg	ı	3
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	350 mg/kg	ı	6
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	500 mg/kg	I	3
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	1000 mg/kg	ı	6
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	1000 mg/kg	ı	6
15.3	Snacks - fish based	350 mg/kg	I	6
16.0	Composite foods - foods that could not be placed in categories 01 - 15	350 mg/kg	I	3

# ACETIC ACID, GLACIAL

Acetic Acid, Glacial INS: 260

Function: A	cidity Regulator, Preservative					
Food Cat. No.	Food Category	Max I	evel	Comments	Step	Year
01.2.1	Fermented milks (plain)		GMP		6	
02.1	Fats and oils essentially free from water	5000	mg/kg		6	
02.2.1.1	Butter and concentrated butter		GMP	Note 52	6	

Function: Acidity Regulator, Preservative

Food Cat. No.	Food Category	Max L	evel	Comments	Step	Year
04.2.1	Fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6	
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6	
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10		GMP		3	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts		GMP		6	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		3	
10.2.1	Liquid egg products		GMP		6	
10.2.2	Frozen egg products		GMP		6	
11.1.3	Soft white sugar, soft brown sugar, glucose syrup, dried glucose syrup, raw cane sugar	330	mg/kg		3	
12.1.2	Salt Substitutes		GMP		6	
12.2.1	Herbs and spices		GMP	Note 51	6	
13.1.3	Formulae for special medical purposes for infants		GMP		3	
13.2	Complementary foods for infants and young children	5000	mg/kg		6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa		GMP		3	

# **ACETIC AND FATTY ACID ESTERS OF GLYCEROL**

Acetic and Fatty Acid Esters of Glycerol INS: 472a

Function: E	mulsifier, Stabilizer, Sequestrant				
Food Cat. No.	Food Category	Max Lev	vel	Comments	Step Year
01.1.1.2	Buttermilk (plain)	G	SMP		6
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	G	SMP		6
01.2.2	Renneted milk (plain)	G	SMP		6
01.4.1	Pasteurized cream (plain)	10000 m	ng/kg		6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	10000 m	ng/kg		6
02.1	Fats and oils essentially free from water	G	SMP		6
02.2.1.1	Butter and concentrated butter	10000 m	ng/kg	Note 52	6
04.1.1.2	Surface-treated fresh fruit	G	SMP .	Note 16	6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	G	SMP	Note 16	6
06.1	Whole, broken, or flaked grain, including rice	G	SMP		6
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	G	<b>SMP</b>	Note 16	6
08.1.2	Fresh meat, poultry, and game, comminuted	G	SMP .		6
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	G	SMP	Note 16	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	G	SMP .		6
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Function: Emulsif	ier, Stabilizer, S	Sequestrant
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Food Cat. No.	Food Category	Max Level	Comments	Step Year
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		6
12.1	Salt and salt substitutes	5000 mg/kg		6
12.2.1	Herbs and spices	5000 mg/kg	Note 51	6
13.1.3	Formulae for special medical purposes for infants	5000 mg/kg		3
13.2	Complementary foods for infants and young children	5000 mg/kg		6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		6

# **ACETYLATED DISTARCH ADIPATE**

Acetylated Distarch Adipate

INS: 1422

Function: B	ulking Agent, Emulsifier, Stabilizer, Thickener					
Food Cat. No.	Food Category	Max L	evel	Comments	Step	Year
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)		GMP		3	
01.4.1	Pasteurized cream (plain)		GMP		6	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)		GMP		6	
02.1	Fats and oils essentially free from water		GMP		6	
02.2.1.1	Butter and concentrated butter		GMP	Note 52	6	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 41	6	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000	mg/kg		6	
13.1.1	Infant formulae		GMP		3	
13.1.2	Follow-up formulae	25000	mg/kg		6	
13.1.3	Formulae for special medical purposes for infants	6000	mg/kg		3	
13.2	Complementary foods for infants and young children	60000	mg/kg		6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	10000	mg/kg		6	

#### **ACETYLATED DISTARCH PHOSPHATE**

Acetylated Distarch Phosphate INS: 1414

Function: E	Bulking Agent, Emulsifier, Stabilizer, Thickener					
Food Cat. No.	Food Category	Max Level	Comments	Step	Year	
01.1.1.2	Buttermilk (plain)	GMP		6		

Function: Bulking Agent, Emulsifier, State	oilizer, Thickener
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Food Cat. No.	Food Category	Max L	evel	Comments	Step Year
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)		GMP		3
01.2.1.2	Fermented milks (plain), heat-treated after fermentation		GMP		6
01.2.2	Renneted milk (plain)		GMP		6
01.4.1	Pasteurized cream (plain)		GMP		6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)		GMP		6
02.1	Fats and oils essentially free from water		GMP		6
02.2.1.1	Butter and concentrated butter		GMP	Note 52	6
04.1.1.2	Surface-treated fresh fruit		GMP	Note 16	6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP	Note 16	6
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	10000	mg/kg		6
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts		GMP	Note 16	6
08.1.2	Fresh meat, poultry, and game, comminuted		GMP		6
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 41	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000	mg/kg		6
12.1.2	Salt Substitutes		GMP		6
12.2.1	Herbs and spices		GMP	Note 51	6
13.1.1	Infant formulae	25000	mg/kg		6
13.1.2	Follow-up formulae	25000	mg/kg		6
13.1.3	Formulae for special medical purposes for infants	6000	mg/kg		3
13.2	Complementary foods for infants and young children	60000	mg/kg		6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	10000	mg/kg		6

# **ACID TREATED STARCH**

Acid Treated Starch INS: 1401

Function:	Bulking Agent, Emulsifier, Stabilizer, Thickener				
Food Cat. No	Food Category	Max Level	Comments	Step	Year
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	GMP		3	

Food Cat. No.	Food Category	Max	_evel	Comments	Step Yea
01.4.2	Sterilized and UHT creams, whipping and whipped creamd reduced fat creams (plain)	eams,	GMP		6
02.1	Fats and oils essentially free from water		GMP		6
02.2.1.1	Butter and concentrated butter		GMP	Note 52	6
09.2.2	Frozen battered fish, fish fillets, and fish products, incl mollusks, crustaceans, and echinoderms	uding	GMP	Note 41	6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, su toppings)	ıgar 10000	mg/kg		6
13.1.1	Infant formulae		GMP		3
13.1.2	Follow-up formulae		GMP		3
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and o hot cereal and grain beverages, excluding cocoa	ther 10000	mg/kg		6
ADIPATE	S				
Adipic Acid	INS: 355 Soc	dium Adipate			INS: 356
Potassium A	dipate INS: 357 Am	monium Adipate			INS: 359
English of	Asidita Danulatan Firesian Ameri Dairi A				
Function: A Food Cat. No.	Acidity Regulator, Firming Agent, Raising Agent Food Category	 Max		Comments	Step Yea
01.2.1	Fermented milks (plain)		GMP	Note 1	6
01.2.1	Fermented milks (plain)	1500	mg/kg	Note 1	3
01.2.1	Beverage whiteners		mg/kg	Note 1	6
01.6.4	Processed cheese		mg/kg	Note 1	6
01.6.5	Cheese analogues		mg/kg	Note 1	6
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)		mg/kg	Note 1	6
02.1	Fats and oils essentially free from water	3000	mg/kg	Note 1	6
02.2.1.2	Margarine and similar products		GMP	Note 1	6
02.4	Fat-based desserts excluding dairy-based dessert pro of food category 01.7	ducts 30000	mg/kg	Note 1	6
03.0	Edible ices, including sherbet and sorbet	2000	mg/kg	Note 1	6
04.1.2.5	Jams, jellies, marmelades	2000	mg/kg	Note 1	6
04.1.2.8	Fruit preparations, including pulp, purees, fruit topping coconut milk		mg/kg	Note 1	6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-badesserts	ased 30000	mg/kg	Note 1	6
04.1.2.11	Fruit fillings for pastries	30000	mg/kg	Note 1	6
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaw in vinegar, oil, brine, or soy sauce		mg/kg	Note 1	6
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than category 04.2.2.5	and	mg/kg	Note 1	6
04.2.2.7	Fermented vegetable (including mushrooms and fungi roots and tubers, pulses and legumes, and aloe vera), seaweed products, excluding fermented soybean prod of food category 12.10	and	mg/kg	Note 1	3

			Comments	Step Year
04.2.2.8	Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	1000 mg/kg	Note 1	6
05.1.3	Cocoa-based spreads, including fillings	2000 mg/kg	Note 1	6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	30000 mg/kg	Note 1	6
05.3	Chewing gum	20000 mg/kg	Note 1	6
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	30000 mg/kg	Note 1	6
06.4.2	Dried pastas and noodles and like products	1000 mg/kg	Note 1	6
06.4.3	Pre-cooked pastas and noodles and like products	1000 mg/kg	Note 1	6
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	30000 mg/kg	Note 1	6
06.6	Batters (e.g., for breading or batters for fish or poultry)	1000 mg/kg	Note 1	6
07.0	Bakery wares	2000 mg/kg	Note 1	6
08.2	Processed meat, poultry, and game products in whole pieces or cuts	3000 mg/kg	Note 1	6
08.3	Processed comminuted meat, poultry, and game products	3000 mg/kg	Note 1	6
10.4	Egg-based desserts (e.g., custard)	30000 mg/kg	Note 1	6
12.2.2	Seasonings and condiments	50000 mg/kg	Note 1	6
12.5	Soups and broths	20 mg/kg	Note 1	6
12.6	Sauces and like products	10000 mg/kg	Note 1	6
14.1.4.1	Carbonated water-based flavoured drinks	790 mg/kg	Note 1	6
14.1.4.2	Non-carbonated water-based flavoured drinks, including punches and ades	2000 mg/kg	Note 1	6
14.1.4.3	Concentrates (liquid or solid) for water-based flavoured drinks	10000 mg/kg	Note 1	6
14.2.1	Beer and malt beverages	GMP	Note 1	6
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	13000 mg/kg	Note 1	6
16.0	Composite foods - foods that could not be placed in categories 01 - 15	1000 mg/kg	Notes 1 & 2	6
AGAR				
Agar	INS: 406			

Function: E	Bulking Agent, Emulsifier, Filler, Stabilizer, Thickener			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.1	Milk and buttermilk (plain)	4000 mg/kg		6
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	5000 mg/kg		6
01.4.1	Pasteurized cream (plain)	GMP		6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000 mg/kg		6
02.1	Fats and oils essentially free from water	GMP		6
02.2.1.1	Butter and concentrated butter	2000 mg/kg	Note 52	6
04.1.1.2	Surface-treated fresh fruit	GMP		6
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Function: Bulking Agent, Emulsitier, Filler, Stabilizer, Inickens	Function:	Emulsifier, Filler, Stabilizer, Thickener
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Food Cat. No.	Food Category	Max L	.evel	Comments	Step	Year
04.1.1.3	Peeled or cut fresh fruit		GMP		6	
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6	
04.2.1.3	Peeled, cut or shredded fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6	
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6	
06.4.1	Fresh pastas and noodles and like products		GMP		3	
06.4.2	Dried pastas and noodles and like products		GMP		6	
08.1	Fresh meat, poultry, and game		GMP		6	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	20000	mg/kg	Notes 3 & 53	6	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP		6	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms		GMP		6	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6	
10.2.1	Liquid egg products		GMP		6	
10.2.2	Frozen egg products		GMP		6	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)		GMP		6	
12.1.2	Salt Substitutes		GMP		6	
12.2.1	Herbs and spices		GMP	Note 51	6	
13.1.1	Infant formulae		GMP		6	
13.1.2	Follow-up formulae		GMP		6	
13.2	Complementary foods for infants and young children		GMP		6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa		GMP		6	

# **ALGINIC ACID**

Alginic Acid INS: 400

Function: B	ulking Agent, Emulsifier, Stabilizer, Thickener			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.1.2	Buttermilk (plain)	6000 mg/kg		6
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	5000 mg/kg		6
01.4.1	Pasteurized cream (plain)	1000 mg/kg		6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000 mg/kg		6
02.1	Fats and oils essentially free from water	GMP		6
02.2.1.1	Butter and concentrated butter	GMP	Note 52	6
04.1.1.2	Surface-treated fresh fruit	GMP		6
			Page 10 of 2	264

Function: Bulking Agent, Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max L	.evel	Comments	Step	Year
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6	
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10		GMP		3	
06.4.1	Fresh pastas and noodles and like products		GMP		3	
06.4.2	Dried pastas and noodles and like products		GMP		6	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		3	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	5000	mg/kg		6	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000	mg/kg		6	
12.1.2	Salt Substitutes		GMP		3	
12.2.1	Herbs and spices		GMP	Note 51	3	
13.1.1	Infant formulae	300	mg/kg		6	
13.1.3	Formulae for special medical purposes for infants	5000	mg/kg		3	
13.2	Complementary foods for infants and young children	5000	mg/kg		6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa		GMP		3	

# **ALITAME**

Alitame INS: 956

Function: S	weetener				
Food Cat. No.	Food Category	Max Level	Comments	Step Ye	ear
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	100 mg/k	g	6	
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	60 mg/k	g	6	
01.4	Cream (plain) and the like	100 mg/k	g	6	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	100 mg/k	g	6	
03.0	Edible ices, including sherbet and sorbet	100 mg/k	g	6	
04.1.2.5	Jams, jellies, marmelades	100 mg/k	g	6	
05.0	Confectionery	300 mg/k	g	6	
07.0	Bakery wares	200 mg/k	g	6	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		6	
11.6	Table-top sweeteners, including those containing high- intensity sweeteners	GMP		6	
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	100 mg/k	g	6	
12.5	Soups and broths	40 mg/k	g	6	
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	300 mg/k	g	6	

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Function: Sweetener

Food Cat. No. Food Category Max Level Comments Step Year

14.1.4 Water-based flavoured drinks, including "sport," "energy," or 40 mg/kg

"electrolyte" drinks and particulated drinks

#### **ALKALINE TREATED STARCH**

Alkaline Treated Starch

INS: 1402

Function: E	Bulking Agent, Stabilizer, Thickener					
Food Cat. No.	Food Category	Max L	.evel	Comments	Step Yea	ar
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)		GMP		3	
02.1	Fats and oils essentially free from water		GMP		6	
02.2.1.1	Butter and concentrated butter		GMP	Note 52	6	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 41	6	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000	mg/kg		6	
13.1.1	Infant formulae		GMP		3	
13.1.2	Follow-up formulae		GMP		3	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	10000	mg/kg		6	

#### **ALLURA RED AC**

Allura Red AC

INS: 129

Function: C	Colour			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	300 mg/kg	I	6
01.6.1	Unripened cheese	GMP	Note 3	6
01.6.1	Unripened cheese	200 mg/kg	Note 3	3
01.6.2.2	Rind of ripened cheese	100 mg/kg	l	6
01.6.3	Whey cheese	GMP	Note 3	6
01.6.3	Whey cheese	300 mg/kg	Note 3	3
01.6.4	Processed cheese	200 mg/kg	I	6
01.6.5	Cheese analogues	GMP	Note 3	6
01.6.5	Cheese analogues	300 mg/kg	Note 3	3
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	300 mg/kg	I	6
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		6
02.1.3	Lard, tallow, fish oil, and other animal fats	500 mg/kg	l	3
02.2.1.1	Butter and concentrated butter	300 mg/kg	l	6
02.2.1.2	Margarine and similar products	GMP		6
02.2.1.2	Margarine and similar products	300 mg/kg	ı	3

Function:	Colour
Food Cat N	

Function: C	olour			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	300 mg/kg		6
03.0	Edible ices, including sherbet and sorbet	300 mg/kg		6
04.1.1.2	Surface-treated fresh fruit	500 mg/kg	Note 16	6
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg		6
04.1.2.5	Jams, jellies, marmelades	500 mg/kg		6
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/kg		6
04.1.2.7	Candied fruit	300 mg/kg		6
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	800 mg/kg		6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	300 mg/kg		6
04.1.2.11	Fruit fillings for pastries	800 mg/kg		6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	500 mg/kg	Note 16	6
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	500 mg/kg		6
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	200 mg/kg		6
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	200 mg/kg		6
05.1.3	Cocoa-based spreads, including fillings	300 mg/kg		6
05.1.4	Cocoa and chocolate products	300 mg/kg		6
05.1.5	Imitation chocolate, chocolate substitute products	300 mg/kg		6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	348 mg/kg		6
05.3	Chewing gum	467 mg/kg		6
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500 mg/kg		6
06.3	Breakfast cereals, including rolled oats	300 mg/kg		6
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	300 mg/kg		6
07.1	Bread and ordinary bakery wares	300 mg/kg		6
07.2.1	Cakes, cookes and pies (e.g., fruit-filled or custard types)	2200 mg/kg		6
07.2.2	Other fine bakery products (e.g., doughnuts, sweet rolls, scones, and muffins)	300 mg/kg		6
07.2.3	Mixes for fine bakery wares (e.g., cakes, pancakes)	300 mg/kg		6
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	500 mg/kg	Note 16	6
08.1.2	Fresh meat, poultry, and game, comminuted	25 mg/kg		6
08.2	Processed meat, poultry, and game products in whole pieces or cuts	500 mg/kg	Note 16	6
08.3.1	Non-heat treated processed comminuted meat, poultry, and game products	500 mg/kg	Note 16	6
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	25 mg/kg		6

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Food Gal. No.   Food Category   Frozen processed comminuted meat, poultry, and game products   Frozen field casings (e.g., sausage casings)   500 mg/kg   Note 16   6		Function: Co	olour						
products  Gaible casings (e.g., sausage casings)  09.1.1 Fresh fish  09.1.2 Fresh mollusks, crustaceans, and echinoderms  09.2.1 Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms  09.2.2 Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms  09.2.3 Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms  09.2.4.1 Cooked fish and fish products including mollusks, crustaceans, and echinoderms  09.2.4.2 Cooked mollusks, crustaceans, and echinoderms  09.2.4.3 Fried fish and fish products, including mollusks, crustaceans, and echinoderms  09.2.5 Smoked, dried, termented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms  09.3.1 Fish and fish products, including mollusks, crustaceans, and echinoderms  10.3.3 Fish and fish products, including mollusks, crustaceans, and echinoderms  10.3.3 Fish and fish products, including mollusks, crustaceans, and echinoderms  10.3.3 Salmon substitutes, caviar, and other fish roe products  10.4 Fish and fish products, including mollusks, crustaceans, and echinoderms  10.4 Fish and fish products, including mollusks, crustaceans, and echinoderms  10.5 Salmon substitutes, caviar, and other fish roe products  10.6 Salmon substitutes, caviar, and other fish roe products  10.7 Eresh eggs  10.8 Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms  10.1 Fresh eggs  10.4 Fully preserved, including camed or fermented fish and fish products, including mollusks, crustaceans, and echinoderms  10.1 Fresh eggs  10.4 Sully preserved, including camed or fermented fish and fish products, including mollusks, crustaceans, and echinoderms  10.1 Fresh eggs  10.4 Sully preserved, including camed or fermented fish and fish products of food categories 09.3.1 · 09.3.3 Fully fish and fish products of food categories 09.3.1 · 09.3.3 Fully fish and fish products of food categories 09.3.1 · 09.3.3 Fully fish and fis	•	Food Cat. No.	Food Category	Max L	evel	Comments	Step	Year	•
09.1.1         Fresh fish         300 mg/kg         Note 50         6           09.1.2         Fresh mollusks, crustaceans, and echinoderms         500 mg/kg         Note 16         6           09.2.1         Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms         500 mg/kg         Note 16         6           09.2.2         Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms         500 mg/kg         Note 16         6           09.2.3         Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms         500 mg/kg         6           09.2.4.1         Cooked mollusks, crustaceans, and echinoderms         500 mg/kg         6           09.2.4.2         Cooked mollusks, crustaceans, and echinoderms         500 mg/kg         6           09.2.4.3         Fried fish and fish products, including mollusks, crustaceans, and echinoderms         500 mg/kg         6           09.2.4.2         Cooked mollusks, crustaceans, and echinoderms         500 mg/kg         Note 16         6           09.2.5         Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms, echinoderms, echinoderms, echinoderms, echinoderms, echinoderms, echinoderms, echin		08.3.3		500	mg/kg	Note 16	6		
09.1.2         Fresh möllusks, crustaceans, and echinoderms         500 mg/kg         Note 16         6           09.2.1         Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms         500 mg/kg         Note 95         6           09.2.2         Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms         500 mg/kg         Note 16         6           09.2.3         Friczen mincead and creamed fish products including mollusks, crustaceans, and echinoderms         500 mg/kg         6           09.2.4.1         Cooked fish and fish products, including mollusks, crustaceans, and echinoderms         500 mg/kg         6           09.2.4.2         Cooked mollusks, crustaceans, and echinoderms products, including mollusks, crustaceans, and echinoderms         500 mg/kg         Note 16         6           09.2.4.3         Fried fish and fish products, including mollusks, crustaceans, and echinoderms         500 mg/kg         Note 16         6           09.3.1         Fish and fish products, including mollusks, crustaceans, and echinoderms         500 mg/kg         Note 16         6           09.3.2         Fish and fish products, including mollusks, crustaceans, and echinoderms         500 mg/kg         Note 16         6           09.3.3         Salmon substitutes, caviar, and other fish roe products         500 mg/kg         Note 16		08.4	Edible casings (e.g., sausage casings)	500	mg/kg	Note 16	6		
99.2.1   Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms   500 mg/kg   Note 16   6   6   6   6   7   7   7   7   7		09.1.1	Fresh fish	300	mg/kg	Note 50	6		
mollusks, crustaceans, and echinoderms  99.2.1 Frozen battered fish, fish filles, and fish products, including mollusks, crustaceans, and echinoderms  99.2.4.1 Cooked fish and fish products including mollusks, crustaceans, and echinoderms  99.2.4.2 Cooked fish and fish products including mollusks, crustaceans, and echinoderms  99.2.4.3 Fried fish and fish products, including mollusks, crustaceans, and echinoderms  99.2.4.3 Fried fish and fish products, including mollusks, crustaceans, and echinoderms  99.2.5 Smoked, dired, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms  99.3.1 Fish and fish products, including mollusks, crustaceans, and echinoderms  99.3.2 Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly  99.3.2 Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine  99.3.3 Salmon substitutes, caviar, and other fish roe products  500 mg/kg  Note 16 6  6 50 mg/kg  Note 16 6  6 7		09.1.2	Fresh mollusks, crustaceans, and echinoderms	500	mg/kg	Note 16	6		
mollusks, crustaceans, and echinoderms  92.4.1 Cooked fish and fish products  92.4.2 Cooked mollusks, crustaceans, and echinoderms  92.4.2 Cooked mollusks, crustaceans, and echinoderms  92.5 mg/kg  92.4.3 Fried fish and fish products, including mollusks, crustaceans, and echinoderms  92.5 mg/kg  92.5 Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms  92.5 Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms  93.1 Fish and fish products, including mollusks, crustaceans, and echinoderms  93.3 Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in pielly  93.3 Salmon substitutes, caviar, and other fish roe products  93.3 Salmon substitutes, caviar, and other fish roe products  93.4 Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine  10.1 Fresh eggs  93.4 Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms  10.1 Fresh eggs  93.7 Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms  10.1 Fresh eggs  93.0 mg/kg  10.1 Fresh eggs  10.0 mg/kg  Notes 3 & 4 6  11.3 Sugar solutions and syrups, also (partially) inverted, including treade and molasses, excluding products of food categories 13.1  11.4 Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)  12.2.2 Seasonings and condiments  12.4 Mustards  13.0 mg/kg  6 Sauces and like products  14.1 Mustards  15.0 mg/kg  6 Find the first		09.2.1		500	mg/kg	Note 95	6		
mollusks, crustaceans, and echinoderms  99.2.4.2 Cooked fish and fish products  99.2.4.3 Fried fish and fish products, including mollusks, crustaceans, and echinoderms  90.2.5 Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms  90.3.1 Fish and fish products, including mollusks, crustaceans, and echinoderms  90.3.2 Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly  90.3.2 Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine  90.3.3 Salmon substitutes, caviar, and other fish roe products  90.3.4 Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms pickled and/or in brine  90.3.4 Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3  90.4 Fully preserved, including anneal or fermented fish and fish products, including mollusks, crustaceans, and echinoderms  10.1 Fresh eggs  10.0 mg/kg  6  10.1 Fresh eggs  10.0 mg/kg  10.4 Egg-based desserts (e.g., custard)  10.4 Egg-based desserts (e.g., custard)  10.5 Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3  11.4 Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)  12.2.2 Seasonings and condiments  500 mg/kg  6  12.4 Mustards  10.0 mg/kg  6  12.5 Soups and broths  12.6 Sauces and like products  10.0 mg/kg  6  12.9.5 Other protein products  10.1 Dietteic foods (e.g., supplementary foods for dietary use) excluding products of food category 13.1)  13.4 Dietteic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6  13.6 Food supplements  14.1.4.1 Carbonated water-based flavoured drinks  14.1.4.2 Non-carbonated water-based flavoured drinks, including punches and ades  14.1.4.3 Concentrated water-based flavoured drinks, including pu		09.2.2	mollusks, crustaceans, and echinoderms	500	mg/kg	Note 16	6		
09.2.4.2     Cooked mollusks, crustaceans, and echinoderms     250 mg/kg     6       09.2.4.3     Fried fish and fish products, including mollusks, crustaceans, and echinoderms     500 mg/kg     Note 16     6       09.2.5     Smoked, dried, Jermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms and echinoderms, narinated and/or in jelly     500 mg/kg     Note 16     6       09.3.1     Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in jelly     500 mg/kg     Note 16     6       09.3.2     Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine     500 mg/kg     Note 16     6       09.3.4     Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3     500 mg/kg     6       10.1     Fresh eggs     500 mg/kg     6       10.4     Egg-base		09.2.3	mollusks, crustaceans, and echinoderms		0 0	Note 16	6		
99.2.4.3 Fried fish and fish products, including mollusks, crustaceans, and echinoderms 99.3.1 Fish and fish products, including mollusks, crustaceans, and echinoderms 99.3.2 Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly 99.3.2 Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly 99.3.3 Salmon substitutes, caviar, and other fish roe products 99.3.4 Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine 99.3.5 Salmon substitutes, caviar, and other fish roe products 99.4 Fully preserved, including canned or fermented fish and fish products, including products of food categories 99.3.1 - 99.3.3 99.4 Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms 10.1 Fresh eggs 10.4 Egg-based desserts (e.g., custard) 11.3 Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3 11.4 Other sugars and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3 11.4 Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings) 12.2.2 Seasonings and condiments 10.4 Mustards 10.5 Soups and broths 10.6 Sauces and like products 10.7 Other protein products 10.8 Dietetic foods intended for special medical purposes (excluding products of food category 13.1) 11.4 Dietetic formulae for slimming purposes and weight reduction products of food category 13.1) 11.5 Dietetic formulae for slimming purposes and weight reduction on grikg 10.5 Other protein products 10.7 Other supars and supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6 Food supplements 10.1 Carbonated water-based flavoured drinks 10.1 Carbonated water-based flavoured drinks 10.1 Carbonated sales.		09.2.4.1	Cooked fish and fish products	500	mg/kg		6		
crustaceans, and echinoderms Sonoked, dired, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms Pish and fish products, including mollusks, crustaceans, and echinoderms and echinoderms, maintaked and/or in pin felly pos.3.2 Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in pin felly pos.3.3 Salmon substitutes, caviar, and other fish roe products products, including mollusks, crustaceans, and echinoderms, pickled and/or in pin felly products of food categories 09.3.1 - 09.3.3 pos.3.4 Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3 products, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms products, including mollusks, crustaceans, and echinoderms ful.1 Fresh eggs products, including mollusks, crustaceans, and echinoderms graph and products including mollusks, crustaceans, and echinoderms graph and g		09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	250	mg/kg		6		
products, including mollusks, crustaceans, and echinoderms  309.3.1 Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly  93.2 Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in jelly  93.3 Salmon substitutes, caviar, and other fish roe products  90.3.4 Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms products of food categories 93.31 - 09.3.3  90.4 Eully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 93.31 - 09.3.3  90.4 Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms  10.1 Fresh eggs  10.1 Fresh eggs  10.0 mg/kg  Notes 3 & 4 6  11.3 Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3  11.4 Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)  12.2.2 Seasonings and condiments  500 mg/kg  6  12.4 Mustards  10.5 Soups and broths  10.6 Sauces and like products  10.7 Sugars and syrups (e.g., xylose, maple syrup, sugar toppings)  12.6 Sauces and like products  12.6 Sauces and like products  13.3 Dietetic foods intended for special medical purposes (excluding products of food category 13.1)  13.4 Dietetic foods intended for special medical purposes (excluding products of food category 13.1)  13.5 Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6  13.6 Food supplements  13.7 Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6  13.6 Food supplements  13.7 Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6  13.6 Food supplements  14.1.4.1 Carbonated water-based flavoured drinks, including punches and ades  14.1.4			crustaceans, and echinoderms						
and echinoderms, marinated and/or in jelly  Pish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine  93.33 Salmon substitutes, caviar, and other fish roe products  Salmon substitutes, caviar, and other fish roe products  Soo mg/kg  6  93.4 Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 99.3.1 - 09.3.3  93.4 Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms  10.1 Fresh eggs  10.0 mg/kg  Notes 3 & 4 6  10.1 Fresh eggs  10.0 mg/kg  Notes 3 & 4 6  11.3 Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3  11.4 Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)  12.2.2 Seasonings and condiments  500 mg/kg  6  12.4 Mustards  300 mg/kg  6  12.5 Soups and broths  300 mg/kg  6  12.6 Sauces and like products  12.9.5 Other protein products  13.3 Dietetic foods intended for special medical purposes (excluding products of food category 13.1)  13.4 Dietetic foods intended for special medical purposes  (excluding products of food category 13.1)  13.4 Dietetic foods intended for special medical purposes and weight reduction  13.5 Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food category 13.1 - 13.4 and 13.6  Food supplements  10.1 Fresh eggs  10.0 mg/kg  10.0 mg			products, including mollusks, crustaceans, and echinoderms		0 0				
and echinoderms, pickled and/or in brine  09.3.3 Salmon substitutes, caviar, and other fish roe products  Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3  09.4 Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms  10.1 Fresh eggs  10.1 Fresh eggs  10.4 Egg-based desserts (e.g., custard)  10.5 Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3  11.4 Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)  12.2.2 Seasonings and condiments  12.5 Soups and broths  12.6 Sauces and like products  12.9.5 Other protein products  12.9.5 Other protein products  13.3 Dietetic foods intended for special medical purposes (excluding products of food category 13.1.1)  13.4 Dietetic formulae for slimming purposes and weight reduction  13.5 Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food category 13.1 - 13.4 and 13.6  Food supplements  10.6 Soups and desired water-based flavoured drinks, including punches and ades  10.7 Concentrates (liquid or solid) for water-based flavoured  10.8 Soups and special field flavoured  10.9 Soups and special flavoured flavoured  10.9 Soups and special flavoured  10.0 mg/kg  10.0 mg			and echinoderms, marinated and/or in jelly						
Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3  09.4 Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms  10.1 Fresh eggs  10.1 Fresh eggs  10.0 mg/kg  Notes 3 & 4 6  10.1 Fresh eggs  10.0 mg/kg  Notes 3 & 4 3  10.4 Egg-based desserts (e.g., custard)  10.3 Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3  11.4 Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)  12.2.2 Seasonings and condiments  12.4 Mustards  12.5 Soups and broths  12.6 Sauces and like products  12.9.5 Other protein products  12.9.5 Other protein products  13.3 Dietetic foods intended for special medical purposes (excluding products of food category 13.1)  13.4 Dietetic foods intended for special medical purposes (excluding products of food category 13.1)  13.5 Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6  Food supplements  10.0 mg/kg		09.3.2	and echinoderms, pickled and/or in brine	500	mg/kg	Note 16	6		
crustaceans, and echinoderm's (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3  09.4 Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms  10.1 Fresh eggs  10.1 Fresh eggs  10.0 mg/kg  Notes 3 & 4 6  10.1 Egg-based desserts (e.g., custard)  10.3 Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3  11.4 Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)  12.2.2 Seasonings and condiments  12.4 Mustards  12.5 Soups and broths  12.6 Sauces and like products  12.9.5 Other protein products  12.9.5 Other protein products  12.9.5 Other protein products  13.3 Dietetic foods intended for special medical purposes (excluding products of food category 13.1)  13.4 Dietetic formulae for slimming purposes and weight reduction  13.5 Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6  Food supplements  10.0 mg/kg  6  6  6  7  8  8  8  9  8  9  8  9  8  9  8  9  8  9  8  9  8  9  9		09.3.3	Salmon substitutes, caviar, and other fish roe products	500	mg/kg		6		
products, including mollusks, crustaceans, and echinoderms  10.1 Fresh eggs 10.0 mg/kg Notes 3 & 4 6  10.1 Fresh eggs 10.4 Egg-based desserts (e.g., custard) 10.4 Egg-based desserts (e.g., custard) 10.5 Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3  11.4 Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings) 12.2.2 Seasonings and condiments 10.0 mg/kg 12.4 Mustards 10.0 mg/kg 10.0 mg/		09.3.4	crustaceans, and echinoderms (e.g., fish paste), excluding	500	mg/kg		6		
10.1 Fresh eggs 10.4 Egg-based desserts (e.g., custard) 300 mg/kg 6 11.3 Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3 11.4 Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings) 12.2.2 Seasonings and condiments 500 mg/kg 6 12.4 Mustards 300 mg/kg 6 12.5 Soups and broths 300 mg/kg 6 12.6 Sauces and like products 500 mg/kg 6 12.9.5 Other protein products 10.9.5 Other protein products 10.9.5 Other protein products 10.9.5 Dietetic foods intended for special medical purposes (excluding products of food category 13.1) 13.4 Dietetic formulae for slimming purposes and weight reduction 13.5 Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6 13.6 Food supplements 300 mg/kg 6 14.1.4.1 Carbonated water-based flavoured drinks, including punches and ades 14.1.4.2 Non-carbonated water-based flavoured drinks, including punches and ades 14.1.4.3 Concentrates (liquid or solid) for water-based flavoured 1572 mg/kg 6		09.4		500	mg/kg		6		
10.4 Egg-based desserts (e.g., custard)  11.3 Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3  11.4 Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)  12.2.2 Seasonings and condiments  500 mg/kg  6  12.4 Mustards  12.5 Soups and broths  12.6 Sauces and like products  12.9.5 Other protein products  12.9.5 Other protein products  13.3 Dietetic foods intended for special medical purposes (excluding products of food category 13.1)  13.4 Dietetic formulae for slimming purposes and weight reduction  13.5 Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6  13.6 Food supplements  14.1.4.1 Carbonated water-based flavoured drinks, including purks and ades  14.1.4.2 Non-carbonated water-based flavoured drinks, including purks and ades  14.1.4.3 Concentrates (liquid or solid) for water-based flavoured  1572 mg/kg  6		10.1	Fresh eggs		GMP	Notes 3 & 4	6		
11.3 Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3  11.4 Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)  12.2.2 Seasonings and condiments  500 mg/kg  6  12.4 Mustards  300 mg/kg  6  12.5 Soups and broths  300 mg/kg  6  12.6 Sauces and like products  100 mg/kg  6  12.9.5 Other protein products  100 mg/kg  6  13.3 Dietetic foods intended for special medical purposes (excluding products of food category 13.1)  13.4 Dietetic formulae for slimming purposes and weight reduction  13.5 Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6  13.6 Food supplements  300 mg/kg  6  14.1.4.1 Carbonated water-based flavoured drinks, including purks of mg/kg  6  14.1.4.2 Non-carbonated water-based flavoured drinks, including purks of mg/kg  1572 mg/kg  6		10.1	Fresh eggs	100	mg/kg	Notes 3 & 4	3		
including treacle and molasses, excluding products of food category 11.1.3  11.4 Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)  12.2.2 Seasonings and condiments  500 mg/kg  6  12.4 Mustards  300 mg/kg  6  12.5 Soups and broths  300 mg/kg  6  12.6 Sauces and like products  500 mg/kg  6  12.9.5 Other protein products  100 mg/kg  6  13.3 Dietetic foods intended for special medical purposes (excluding products of food category 13.1)  13.4 Dietetic formulae for slimming purposes and weight reduction  13.5 Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6  13.6 Food supplements  300 mg/kg  6  14.1.4.1 Carbonated water-based flavoured drinks  300 mg/kg  6  14.1.4.2 Non-carbonated water-based flavoured drinks, including purks  150 mg/kg  6  1572 mg/kg  6		10.4	Egg-based desserts (e.g., custard)	300	mg/kg		6		
toppings)  12.2.2 Seasonings and condiments 500 mg/kg 6  12.4 Mustards 300 mg/kg 6  12.5 Soups and broths 300 mg/kg 6  12.6 Sauces and like products 500 mg/kg 6  12.9.5 Other protein products 100 mg/kg 6  13.3 Dietetic foods intended for special medical purposes 50 mg/kg 6  13.4 Dietetic formulae for slimming purposes and weight reduction 50 mg/kg 6  13.5 Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6  13.6 Food supplements 300 mg/kg 6  14.1.4.1 Carbonated water-based flavoured drinks 300 mg/kg 6  14.1.4.2 Non-carbonated water-based flavoured drinks, including purks 6  14.1.4.3 Concentrates (liquid or solid) for water-based flavoured 1572 mg/kg 6		11.3	including treacle and molasses, excluding products of food	300	mg/kg		6		
12.4 Mustards 300 mg/kg 6  12.5 Soups and broths 300 mg/kg 6  12.6 Sauces and like products 500 mg/kg 6  12.9.5 Other protein products 100 mg/kg 6  13.3 Dietetic foods intended for special medical purposes (excluding products of food category 13.1)  13.4 Dietetic formulae for slimming purposes and weight reduction  13.5 Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6  13.6 Food supplements 300 mg/kg 6  14.1.4.1 Carbonated water-based flavoured drinks 300 mg/kg 6  14.1.4.2 Non-carbonated water-based flavoured drinks, including purpokes and ades  14.1.4.3 Concentrates (liquid or solid) for water-based flavoured 1572 mg/kg 6		11.4		300	mg/kg		6		
12.5 Soups and broths  12.6 Sauces and like products  500 mg/kg  6  12.9.5 Other protein products  100 mg/kg  6  13.3 Dietetic foods intended for special medical purposes (excluding products of food category 13.1)  13.4 Dietetic formulae for slimming purposes and weight reduction  13.5 Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6  13.6 Food supplements  13.7 Carbonated water-based flavoured drinks  13.8 Non-carbonated water-based flavoured drinks, including purg/kg  14.1.4.2 Non-carbonated water-based flavoured drinks, including punches and ades  14.1.4.3 Concentrates (liquid or solid) for water-based flavoured  1572 mg/kg  6		12.2.2	Seasonings and condiments	500	mg/kg		6		
12.6 Sauces and like products  500 mg/kg  6  12.9.5 Other protein products  100 mg/kg  6  13.3 Dietetic foods intended for special medical purposes (excluding products of food category 13.1)  13.4 Dietetic formulae for slimming purposes and weight reduction  13.5 Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6  13.6 Food supplements  300 mg/kg  6  14.1.4.1 Carbonated water-based flavoured drinks  300 mg/kg  6  14.1.4.2 Non-carbonated water-based flavoured drinks, including punches and ades  14.1.4.3 Concentrates (liquid or solid) for water-based flavoured  1572 mg/kg  6		12.4	Mustards	300	mg/kg		6		
12.9.5 Other protein products  100 mg/kg  6  13.3 Dietetic foods intended for special medical purposes (excluding products of food category 13.1)  13.4 Dietetic formulae for slimming purposes and weight reduction  13.5 Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6  13.6 Food supplements  300 mg/kg  6  14.1.4.1 Carbonated water-based flavoured drinks  300 mg/kg  6  14.1.4.2 Non-carbonated water-based flavoured drinks, including punches and ades  14.1.4.3 Concentrates (liquid or solid) for water-based flavoured  1572 mg/kg  6		12.5	Soups and broths	300	mg/kg		6		
13.3 Dietetic foods intended for special medical purposes (excluding products of food category 13.1)  13.4 Dietetic formulae for slimming purposes and weight reduction  13.5 Dietetic foods (e.g., supplementary foods for dietary use) and mg/kg excluding products of food categories 13.1 - 13.4 and 13.6  13.6 Food supplements 300 mg/kg 6  14.1.4.1 Carbonated water-based flavoured drinks 300 mg/kg 6  14.1.4.2 Non-carbonated water-based flavoured drinks, including punches and ades  14.1.4.3 Concentrates (liquid or solid) for water-based flavoured 1572 mg/kg 6		12.6	Sauces and like products	500	mg/kg		6		
(excluding products of food category 13.1)  13.4 Dietetic formulae for slimming purposes and weight reduction  13.5 Dietetic foods (e.g., supplementary foods for dietary use) a 300 mg/kg excluding products of food categories 13.1 - 13.4 and 13.6  13.6 Food supplements 300 mg/kg 6  14.1.4.1 Carbonated water-based flavoured drinks 300 mg/kg 6  14.1.4.2 Non-carbonated water-based flavoured drinks, including punches and ades  14.1.4.3 Concentrates (liquid or solid) for water-based flavoured 1572 mg/kg 6		12.9.5	Other protein products	100	mg/kg		6		
reduction  13.5 Dietetic foods (e.g., supplementary foods for dietary use) a 300 mg/kg 6 excluding products of food categories 13.1 - 13.4 and 13.6  13.6 Food supplements 300 mg/kg 6  14.1.4.1 Carbonated water-based flavoured drinks 300 mg/kg 6  14.1.4.2 Non-carbonated water-based flavoured drinks, including punches and ades  14.1.4.3 Concentrates (liquid or solid) for water-based flavoured 1572 mg/kg 6		13.3		50	mg/kg		6		
excluding products of food categories 13.1 - 13.4 and 13.6  13.6 Food supplements 300 mg/kg 6  14.1.4.1 Carbonated water-based flavoured drinks 300 mg/kg 6  14.1.4.2 Non-carbonated water-based flavoured drinks, including punches and ades  14.1.4.3 Concentrates (liquid or solid) for water-based flavoured 1572 mg/kg 6		13.4	0, 1	50	mg/kg		6		
14.1.4.1 Carbonated water-based flavoured drinks 300 mg/kg 6  14.1.4.2 Non-carbonated water-based flavoured drinks, including punches and ades  14.1.4.3 Concentrates (liquid or solid) for water-based flavoured 1572 mg/kg 6		13.5		300	mg/kg		6		
14.1.4.2 Non-carbonated water-based flavoured drinks, including punches and ades  14.1.4.3 Concentrates (liquid or solid) for water-based flavoured 1572 mg/kg 6		13.6	Food supplements	300	mg/kg		6		
punches and ades 14.1.4.3 Concentrates (liquid or solid) for water-based flavoured 1572 mg/kg 6		14.1.4.1	Carbonated water-based flavoured drinks	300	mg/kg		6		
		14.1.4.2		300	mg/kg		6		
		14.1.4.3	` '	1572	mg/kg		6		

Function: Colour	n: Colour	Function:
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Food Cat. No.	Food Category	Max Level	Comments Step Year
14.2.1	Beer and malt beverages	GMP	6
14.2.1	Beer and malt beverages	200 mg/kg	3
14.2.2	Cider and perry	200 mg/kg	6
14.2.4	Wines (other than grape)	200 mg/kg	6
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	300 mg/kg	6
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	200 mg/kg	6
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	200 mg/kg	6
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	100 mg/kg	6
16.0	Composite foods - foods that could not be placed in categories 01 - 15	500 mg/kg	6

# ALPHA-AMYLASE (ASPERGILLUS ORYZAE VAR.)

Alpha-Amylase (Aspergillus oryzae var.) INS: 1100

Function: Adjuvant, Enzyme, Flour Treatment Ager	ıt
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Food Cat. No.	Food Category	Max Level C	omments Step Year
06.1	Whole, broken, or flaked grain, including rice	GMP	6
06.2	Flours and starches (including soybean powder)	GMP	Adopted 1999
06.4.2	Dried pastas and noodles and like products	GMP	6
11.1	Refined and raw sugars	GMP	6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP	6
13.1.1	Infant formulae	GMP	6
13.1.2	Follow-up formulae	GMP	6
13.2	Complementary foods for infants and young children	GMP	6

# **ALPHA-AMYLASE (BACILLUS SUBTILIS)**

Alpha-Amylase (Bacillus subtilis) INS: 1100

Function: Enzyme, Flour Treatment Agent

Food Cat. No. Food Category Max Level Comments Step Year

06.2.2 Starches GMP 3

# ALPHA-AMYLASE (CARBOHYDRASE) (BACILLUS LICHENIFORMIS)

Alpha-Amylase (Carbohydrase) (Bacillus INS: 1100

licheniformis)

Function:

Enzyme, Flour Treatment Agent

Food Cat. No. Food Category Max Level Comments Step Year

Function: Enzyme, Flour Treatment Agent

Food Cat. No. Food Category Max Level Comments Step Year

06.2.2 Starches GMP 3

#### **ALUMINIUM AMMONIUM SULPHATE**

Aluminium Ammonium Sulphate INS: 523

Function: F	irming Agent, Raising Agent, Stabilizer			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
04.1.2.7	Candied fruit	200 mg/kg	Note 6	Adopted 2001
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	35 mg/kg	Note 6	Adopted 2003
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	500 mg/kg	Note 6	3
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	200 mg/kg	Note 6	Adopted 2001
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	500 mg/kg	Note 6	3
06.2	Flours and starches (including soybean powder)	500 mg/kg	Note 6	3
06.2.2	Starches	GMP	Notes 6 & 26	6
07.1.2	Crackers, excluding sweet crackers	10000 mg/kg	Note 29	3
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	10000 mg/kg	Note 29	3
07.1.4	Bread-type products, including bread stuffing and bread crumbs	10000 mg/kg	Note 29	3
07.1.5	Steamed breads and buns	10000 mg/kg	Note 29	3
07.1.6	Mixes for bread and ordinary bakery wares	10000 mg/kg	Note 6	3
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	10000 mg/kg	Note 29	3
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	Note 6	Adopted 2001
10.2	Egg products	30 mg/kg	Note 6	Adopted 2001
10.4	Egg-based desserts (e.g., custard)	380 mg/kg	Note 6	Adopted 2003
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	500 mg/kg	Note 6	3
12.9.2	Fresh bean curd (tofu)	GMP	Note 6	3
12.10.2	Fermented soybean curd (soybean cheese)	GMP	Note 6	3
12.10.3	Fermented soybean paste (e.g., miso)	GMP	Note 6	3
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	500 mg/kg	Note 6	3

#### **ALUMINIUM SILICATE**

Aluminium Silicate INS: 559

3

GMP

Note 51

Function: A	djuvant, Anticaking Agent				
Food Cat. No.	Food Category	Max Level	Comments	Step	Year
06.1	Whole, broken, or flaked grain, including rice	GMP		6	
12.1	Salt and salt substitutes	10000 mg/kg		6	

# **AMARANTH**

12.2.1 Herbs and spices

Amaranth INS: 123

Function: C	olour		
Food Cat. No.	Food Category	Max Level	Comments Step Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	300 mg/kg	6
01.6.2.2	Rind of ripened cheese	100 mg/kg	6
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	300 mg/kg	6
02.2.1.1	Butter and concentrated butter	300 mg/kg	6
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	300 mg/kg	6
03.0	Edible ices, including sherbet and sorbet	300 mg/kg	6
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg	6
04.1.2.5	Jams, jellies, marmelades	300 mg/kg	6
04.1.2.7	Candied fruit	300 mg/kg	6
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	300 mg/kg	6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	300 mg/kg	6
04.1.2.11	Fruit fillings for pastries	300 mg/kg	6
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	300 mg/kg	6
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	300 mg/kg	3
05.1.3	Cocoa-based spreads, including fillings	100 mg/kg	6
05.2.2	Soft candy	100 mg/kg	6
05.3	Chewing gum	300 mg/kg	6
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	300 mg/kg	6
06.3	Breakfast cereals, including rolled oats	300 mg/kg	6
06.4.2	Dried pastas and noodles and like products	100 mg/kg	6
06.4.3	Pre-cooked pastas and noodles and like products	100 mg/kg	6
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	300 mg/kg	6
06.6	Batters (e.g., for breading or batters for fish or poultry)	100 mg/kg	6
07.0	Bakery wares	300 mg/kg	6

Function:	Colour
Food Cat. N	No. Food

Food Cat. No.	Food Category	Max Level	Comments	Step Year
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg		6
09.2.4.1	Cooked fish and fish products	300 mg/kg		6
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg		6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	Note 22	6
09.3.3	Salmon substitutes, caviar, and other fish roe products	300 mg/kg	Note 50	6
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg		6
10.1	Fresh eggs	GMP	Notes 3 & 4	6
10.1	Fresh eggs	100 mg/kg	Notes 3 & 4	3
10.4	Egg-based desserts (e.g., custard)	300 mg/kg		6
11.3	Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3	300 mg/kg		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	300 mg/kg		6
12.2.2	Seasonings and condiments	300 mg/kg		6
12.5	Soups and broths	300 mg/kg		6
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	300 mg/kg		6
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	100 mg/kg		6
14.2.4	Wines (other than grape)	30 mg/kg		6
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	300 mg/kg		6
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	100 mg/kg		6
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	300 mg/kg		6

# **AMMONIUM ALGINATE**

Ammonium Alginate INS: 403

Function: E	mulsifier, Thickener, Stabilizer			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	5000 mg/kg		6
01.4.1	Pasteurized cream (plain)	100 mg/kg		6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000 mg/kg		6
02.1	Fats and oils essentially free from water	5000 mg/kg		6
02.2.1.1	Butter and concentrated butter	GMP	Note 52	6
04.1.1.2	Surface-treated fresh fruit	GMP		6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP		6
06.4.2	Dried pastas and noodles and like products	GMP		6

Function:	Emulsifier, Thickener, Stabilizer			
Food Cat. No.	. Food Category	Max Level	Comments	Step Year
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	5000 mg/kg		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000 mg/kg		6
13.1.1	Infant formulae	300 mg/kg		6
13.2	Complementary foods for infants and young children	5000 mg/kg		6
AMMONI	IIIM CADDONATE			
_	IUM CARBONATE			
Ammonium	Carbonate INS: 503i			
Function:	Acidity Regulator, Raising Agent, Stabilizer			
Food Cat. No.	. Food Category	Max Level	Comments	Step Year
09.2.2	Frozen battered fish, fish fillets, and fish products, includir	ng GMP	Note 41	6
13.2	mollusks, crustaceans, and echinoderms  Complementary foods for infants and young children	GMP		6
		-		
AMMONI	IUM CHLORIDE			
Ammonium				
Ammonium	Chloride IIVO. 510			
Function:	Flour Treatment agent			
Food Cat. No.	. Food Category	Max Level	Comments	Step Year
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10			3
08.1	Fresh meat, poultry, and game	GMP		3
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		3
12.1.2	Salt Substitutes	GMP		3
12.2.1	Herbs and spices	GMP	Note 51	3
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		3
	IUM HYDROGEN CARBONATE  Hydrogen Carbonate INS: 503ii			
Function:	Acidity Regulator, Raising Agent, Stabilizer			
Food Cat. No.		Max Level	Comments	Step Year
13.2	Complementary foods for infants and young children	GMP		<u></u>
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Function:	Colour

Function: C	olour			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	50 mg/kg	Note 9	6
01.6.1	Unripened cheese	50 mg/kg	Note 74	6
01.6.2.1	Ripened cheese, includes rind	600 mg/kg		6
01.6.2.2	Rind of ripened cheese	50 mg/kg		6
01.6.2.3	Cheese powder (for reconstitution; e.g., for cheese sauces)	50 mg/kg		6
01.6.3	Whey cheese	20 mg/kg	Note 3	6
01.6.4.1	Plain processed cheese	600 mg/kg		6
01.6.4.2	Flavoured processed cheese, including containing fruit, vegetables, meat, etc.	50 mg/kg		6
01.6.5	Cheese analogues	20 mg/kg	Note 3	6
01.6.6	Whey protein cheese	10 mg/kg		6
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	100 mg/kg		6
01.8	Whey and whey products, excluding whey cheeses	10 mg/kg		6
02.1	Fats and oils essentially free from water	10 mg/kg	Note 9	6
02.2.1	Emulsions containing at least 80% fat	100 mg/kg		6
02.2.2	Emulsions containing less than 80% fat	30 mg/kg	Note 9	6
02.3	Fat emulsions maily of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	10 mg/kg		6
02.3	Fat emulsions maily of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	20 mg/kg	Note 8	3
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	10 mg/kg		6
03.0	Edible ices, including sherbet and sorbet	100 mg/kg	Note 9	6
03.0	Edible ices, including sherbet and sorbet	200 mg/kg	Note 8	3
04.1.1.2	Surface-treated fresh fruit	20 mg/kg	Note 16	6
04.1.2.4	Canned or bottled (pasteurized) fruit	GMP		6
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg	Note 8	3
04.1.2.5	Jams, jellies, marmelades	10 mg/kg		6
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		6
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	20 mg/kg		6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	150 mg/kg		6
04.1.2.11	Fruit fillings for pastries	200 mg/kg		6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	20 mg/kg	Note 16	6
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	300 mg/kg		6
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	10 mg/kg		6

Food Cat. No	Food Category	Max Level	Comments	Step Year
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	200 mg/kg	Note 9	6
05.1	Cocoa products and chocolate products including imitations and chocolate substitutes	200 mg/kg	Note 8	3
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	GMP		6
05.1.2	Cocoa mixes (syrups)	GMP		6
05.1.3	Cocoa-based spreads, including fillings	GMP		6
05.1.4	Cocoa and chocolate products	25 mg/kg	Note 9	6
05.1.5	Imitation chocolate, chocolate substitute products	25 mg/kg	Note 9	6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	25 mg/kg	Note 9	6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	200 mg/kg	Note 8	3
05.3	Chewing gum	500 mg/kg	Note 9	6
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	1000 mg/kg		6
06.3	Breakfast cereals, including rolled oats	75 mg/kg	Note 9	6
06.4.2	Dried pastas and noodles and like products	12 mg/kg	Note 8	6
06.4.2	Dried pastas and noodles and like products	24 mg/kg	Note 8	3
06.4.3	Pre-cooked pastas and noodles and like products	12 mg/kg	Note 8	6
06.4.3	Pre-cooked pastas and noodles and like products	100 mg/kg		3
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	40 mg/kg	Note 9	6
06.6	Batters (e.g., for breading or batters for fish or poultry)	20 mg/kg		6
07.1	Bread and ordinary bakery wares	GMP		6
07.1	Bread and ordinary bakery wares	120 mg/kg		3
07.2.1	Cakes, cookes and pies (e.g., fruit-filled or custard types)	15 mg/kg	Note 9	6
07.2.2	Other fine bakery products (e.g., doughnuts, sweet rolls, scones, and muffins)	40 mg/kg	Note 9	6
07.2.3	Mixes for fine bakery wares (e.g., cakes, pancakes)	15 mg/kg	Note 9	6
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	20 mg/kg	Note 16	6
08.1.2	Fresh meat, poultry, and game, comminuted	1000 mg/kg	Notes 9 & 94	6
08.2	Processed meat, poultry, and game products in whole pieces or cuts	50 mg/kg	Note 9	6
08.3.1.1	Cured (including salted) non-heat treated processed comminuted meat, poultry, and game products	1000 mg/kg	Notes 9 & 78	6
08.3.1.2	Cured (including salted) and dried non-heat treated processed comminuted meat, poultry, and game products	20 mg/kg	Note 16	6
08.3.1.3	Fermented non-heat treated processed comminuted meat, poultry, and game products	50 mg/kg	Note 9	6
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	50 mg/kg		6
08.3.3	Frozen processed comminuted meat, poultry, and game products	20 mg/kg		6
08.4	Edible casings (e.g., sausage casings)	60 mg/kg		6
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	20 mg/kg	Note 16	6

Function:	Colour
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Food Cat. No.	Food Category	Max Level	Comments	Step Year
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	10 mg/kg	Note 9	6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	30 mg/kg	Note 9	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	10 mg/kg	Note 9	6
09.2.4.1	Cooked fish and fish products	30 mg/kg	Note 9	6
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	15 mg/kg	Note 9	6
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	15 mg/kg	Note 9	6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	15 mg/kg	Notes 9 & 22	
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	15 mg/kg	Note 9	6
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg		3
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	10 mg/kg	Note 8	6
10.1	Fresh eggs	GMP	Notes 3 & 4	6
10.1	Fresh eggs	100 mg/kg	Notes 3 & 4	3
10.4	Egg-based desserts (e.g., custard)	10 mg/kg		6
11.3	Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3	GMP		6
11.3	Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3	100 mg/kg		3
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	60 mg/kg		3
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	30 mg/kg	Note 9	6
12.4	Mustards	100 mg/kg	Note 8	6
12.5	Soups and broths	150 mg/kg	Note 8	6
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	100 mg/kg	Note 8	6
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	100 mg/kg	Note 8	6
12.6.3	Mixes for sauces and gravies	100 mg/kg	Note 8	6
12.6.4	Clear sauces (e.g., fish sauce)	400 mg/kg		6
13.6	Food supplements	GMP		6
13.6	Food supplements	60 mg/kg		3
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	50 mg/kg	Note 9	6
14.2.3	Grape wines	10 mg/kg		3
14.2.3.3	Fortified grape wine, grape liquor wine, and sweet grape wine	GMP		6
14.2.3.3	Fortified grape wine, grape liquor wine, and sweet grape wine	15 mg/kg		3
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	10 mg/kg		6
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	10 mg/kg		6

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	Function:	Colour
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Food Cat. No.	Food Category	Max Level	Comments	Step Year
15.0	Ready-to-eat savouries	300 mg/kg	Note 9	6
16.0	Composite foods - foods that could not be placed in categories 01 - 15	200 mg/kg		6

#### **ASCORBIC ACID**

Ascorbic Acid INS: 300

Function: A	ntioxidant, Colour Retention Agent				
Food Cat. No.	Food Category	Max Le	evel	Comments	Step Year
02.1	Fats and oils essentially free from water	200	mg/kg		6
02.2.1.1	Butter and concentrated butter		GMP	Note 52	6
04.1.1	Fresh fruit	500	mg/kg		6
04.2.1	Fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	500	mg/kg		6
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	100	mg/kg		6
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10		GMP		3
06.2.1	Flours	300	mg/kg		6
06.4.1	Fresh pastas and noodles and like products	200	mg/kg		3
06.4.2	Dried pastas and noodles and like products	200	mg/kg		3
08.1	Fresh meat, poultry, and game	2000	mg/kg		6
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	200	mg/kg		6
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		3
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	400	mg/kg		6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms		mg/kg		6
12.1.2	Salt Substitutes		GMP		3
12.2.1	Herbs and spices		GMP	Note 51	3
13.1.2	Follow-up formulae	50	mg/kg		6
13.2	Complementary foods for infants and young children	3000	mg/kg		6
14.1.2.1	Fruit juice		GMP		7
14.1.2.2	Vegetable juice		GMP		3
14.1.2.3	Concentrates for fruit juice		GMP	Note 127	7
14.1.2.4	Concentrates for vegetable juice		GMP		3
14.1.3.1	Fruit nectar		GMP		7
14.1.3.2	Vegetable nectar		GMP		3
14.1.3.3	Concentrates for fruit nectar		GMP	Note 127	7

Function:	Antioxidant, Colour Retention Agent		
Food Cat. No	Food Category	Max Level Comments	Step Year
14.1.3.4	Concentrates for vegetable nectar	GMP	3
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	500 mg/kg	3
14.2.3	Grape wines	200 mg/kg	6
14.2.3	Grape wines	250 mg/kg	3

### **ASCORBYL ESTERS**

Ascorbyl Palmitate INS: 304 Ascorbyl Stearate INS: 305

Function: A	ntioxidant			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.3.2	Beverage whiteners	80 mg/kg	Note 10	Adopted 2001
01.5.1	Milk powder and cream powder (plain)	500 mg/kg	Note 10	Adopted 2001
01.5.2	Milk and cream powder analogues	80 mg/kg	Note 10	Adopted 2001
01.6.2.1	Ripened cheese, includes rind	500 mg/kg	Notes 10 & 112	Adopted 2001
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	500 mg/kg	Notes 2 & 10	Adopted 2001
02.1	Fats and oils essentially free from water	500 mg/kg	Note 10	Adopted 2003
02.2	Fat emulsions mainly of type water-in-oil	500 mg/kg	Notes 10 & 113	Adopted 2001
02.3	Fat emulsions maily of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	500 mg/kg	Note 10	Adopted 2001
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	80 mg/kg	Note 10	Adopted 2001
03.0	Edible ices, including sherbet and sorbet	200 mg/kg	Notes 10 & 15	Adopted 2001
04.1.2.2	Dried fruit	80 mg/kg	Note 10	Adopted 2001
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	500 mg/kg	Notes 2 & 10	Adopted 2001
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	80 mg/kg	Note 10	Adopted 2001
05.0	Confectionery	500 mg/kg	Notes 10,15&114	Adopted 2001
06.3	Breakfast cereals, including rolled oats	200 mg/kg	Note 10	Adopted 2001
06.4.3	Pre-cooked pastas and noodles and like products	20 mg/kg	Note 10	Adopted 2003
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	500 mg/kg	Notes 2 & 10	Adopted 2001
07.0	Bakery wares	1000 mg/kg	Notes 10 & 15	Adopted 2003
08.4	Edible casings (e.g., sausage casings)	5000 mg/kg	Note 10	Adopted 2001
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg	Note 10	Adopted 2001
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg	Note 10	Adopted 2001
10.4	Egg-based desserts (e.g., custard)	500 mg/kg	Notes 2 & 10	Adopted 2001
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	200 mg/kg	Note 10	Adopted 2003

Function:	Antioxidant
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Food Cat. No.	Food Category	Max Level	Comments	Step Year
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	500 mg/kg	Note 10	Adopted 2001
12.4	Mustards	500 mg/kg	Note 10	Adopted 2003
12.5	Soups and broths	200 mg/kg	Note 10	Adopted 2001
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	500 mg/kg	Notes 10 & 15	Adopted 2001
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	200 mg/kg	Note 10	Adopted 2001
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	500 mg/kg	Note 10	6
12.6.3	Mixes for sauces and gravies	200 mg/kg	Note 10	Adopted 2001
12.6.4	Clear sauces (e.g., fish sauce)	200 mg/kg	Note 10	Adopted 2001
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	200 mg/kg	Note 10	Adopted 2001
13.1	Infant formulae, follow-up formulae, and formulae for special medical purposes for infants	50 mg/kg	Note 10	Adopted 2001
13.1.1	Infant formulae	10 mg/kg	Note 10	3
13.1.2	Follow-up formulae	50 mg/kg	Note 10	3
13.1.3	Formulae for special medical purposes for infants	100 mg/kg	Note 10	3
13.2	Complementary foods for infants and young children	100 mg/kg	Note 10	Adopted 2001
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	GMP	Note 10	3
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	100 mg/kg	Note 10	Adopted 2001
13.4	Dietetic formulae for slimming purposes and weight reduction	500 mg/kg	Note 10	3
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	500 mg/kg	Note 10	3
13.6	Food supplements	500 mg/kg	Note 10	Adopted 2003
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	1000 mg/kg	Notes 10 & 15	Adopted 2001
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	200 mg/kg	Note 10	Adopted 2001
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	200 mg/kg	Note 10	Adopted 2001

# **ASPARTAME**

Aspartame INS: 951

Function:	Flavor Enhancer, Sweetener			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	600 mg/kg		6
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	2000 mg/kg		6
01.3.2	Beverage whiteners	GMP	Note 2	6
01.3.2	Beverage whiteners	6000 mg/kg		3
01.4.1	Pasteurized cream (plain)	GMP		6

Function: Flavor Enhancer, Sweetener

Function: F	lavor Enhancer, Sweetener  Food Category	Max Level	Comments	Step Year	. –
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01.4.1	Pasteurized cream (plain)	6000 mg/kg	)	3	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		6	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	6000 mg/kg	)	3	
01.4.3	Clotted cream (plain)	GMP		6	
01.4.3	Clotted cream (plain)	6000 mg/kg	)	3	
01.4.4	Cream analogues	1000 mg/kg	)	6	
01.5.1	Milk powder and cream powder (plain)	GMP		6	
01.5.1	Milk powder and cream powder (plain)	5000 mg/kg	)	3	
01.5.2	Milk and cream powder analogues	2000 mg/kg	3	6	
01.6.1	Unripened cheese	GMP		6	
01.6.1	Unripened cheese	1000 mg/kg	)	3	
01.6.5	Cheese analogues	1000 mg/kg	J	6	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	3000 mg/kg	)	6	
02.3	Fat emulsions maily of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	GMP		6	
02.3	Fat emulsions maily of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	1000 mg/kg	)	3	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	3000 mg/kg	J	6	
03.0	Edible ices, including sherbet and sorbet	3000 mg/kg	J	6	
04.1.2.1	Frozen fruit	GMP		6	
04.1.2.2	Dried fruit	3000 mg/kg	)	6	
04.1.2.3	Fruit in vinegar, oil, or brine	300 mg/kg	)	6	
04.1.2.4	Canned or bottled (pasteurized) fruit	1000 mg/kg	)	6	
04.1.2.5	Jams, jellies, marmelades	1000 mg/kg	)	6	
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	2000 mg/kg	)	6	
04.1.2.7	Candied fruit	2000 mg/kg	)	6	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	3000 mg/kg	)	6	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	3000 mg/kg		6	
04.1.2.10	Fermented fruit products	2000 mg/kg	9	6	
04.1.2.11	Fruit fillings for pastries	3000 mg/kg	J	6	
04.1.2.12	Cooked fruit	2000 mg/kg	J	6	
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	1000 mg/kg	)	6	
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	1000 mg/kg	)	6	
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	300 mg/kg	3	6	
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	2500 mg/kg	)	3	

Function: Flavor Enhancer, Sweetener

Function: F	lavor Enhancer, Sweetener				
Food Cat. No.	Food Category	Max Leve	Comments	Step Ye	ar
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	1000 mg	/kg	6	
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	3000 mg	/kg	6	
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	1000 mg	/kg	6	
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	2500 mg	/kg	6	
04.2.2.8	Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	1000 mg	/kg	6	
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	3000 mg	/kg	6	
05.1.2	Cocoa mixes (syrups)	1000 mg	/kg	6	
05.1.3	Cocoa-based spreads, including fillings	3000 mg	/kg	6	
05.1.4	Cocoa and chocolate products	2500 mg	/kg	6	
05.1.5	Imitation chocolate, chocolate substitute products	3000 mg	/kg	6	
05.2.1	Hard candy	10000 mg	/kg	6	
05.2.2	Soft candy	3000 mg	/kg	6	
05.2.3	Nougats and marzipans	3000 mg	/kg	6	
05.3	Chewing gum	10000 mg	/kg	6	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	1000 mg	/kg	6	
06.3	Breakfast cereals, including rolled oats	5000 mg	/kg	6	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	1000 mg		6	
07.1	Bread and ordinary bakery wares	4000 mg	•	6	
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	5000 mg		6	
08.2	Processed meat, poultry, and game products in whole pieces or cuts	300 mg	/kg	6	
08.3	Processed comminuted meat, poultry, and game products	300 mg	/kg	6	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	300 mg	/kg	6	
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	300 mg	/kg	6	
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	GM	IP	3	
10.2.3	Dried and/or heat coagulated egg products	1000 mg	/kg	6	
10.4	Egg-based desserts (e.g., custard)	1000 mg	/kg	6	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	3000 mg		6	
11.6	Table-top sweeteners, including those containing high- intensity sweeteners	1000 mg	/kg	6	
12.2.2	Seasonings and condiments	2000 mg	/kg	6	
12.3	Vinegars	GM	IP	3	

Food Cat. No	D. Food Category	Max Level	Comments	Step Year
12.4	Mustards	350 mg/kg		6
12.5	Soups and broths	600 mg/kg		6
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	2000 mg/kg		6
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	2000 mg/kg		6
12.6.3	Mixes for sauces and gravies	350 mg/kg		6
12.6.4	Clear sauces (e.g., fish sauce)	350 mg/kg		6
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	1000 mg/kg		6
13.1.3	Formulae for special medical purposes for infants	800 mg/kg	Note 84	3
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	1000 mg/kg		6
13.4	Dietetic formulae for slimming purposes and weight reduction	800 mg/kg		6
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	2000 mg/kg		6
13.6	Food supplements	5500 mg/kg		6
14.1.2.2	Vegetable juice	2000 mg/kg		6
14.1.2.4	Concentrates for vegetable juice	2000 mg/kg		6
14.1.3.1	Fruit nectar	600 mg/kg		7
14.1.3.2	Vegetable nectar	2000 mg/kg		6
14.1.3.3	Concentrates for fruit nectar	600 mg/kg	Note 127	7
14.1.3.4	Concentrates for vegetable nectar	2000 mg/kg		6
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	1000 mg/kg		6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	5000 mg/kg		3
14.2.1	Beer and malt beverages	600 mg/kg		6
14.2.2	Cider and perry	600 mg/kg		6
14.2.4	Wines (other than grape)	700 mg/kg		6
14.2.5	Mead	700 mg/kg		6
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	700 mg/kg		6
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	1000 mg/kg		6
15.0	Ready-to-eat savouries	500 mg/kg		6

# **AZODICARBONAMIDE**

Azodicarbonamide INS: 927a

Function: A	djuvant, Flour Treatment Agent				
Food Cat. No.	Food Category	Max Level	Comments	Step	Year
06.2.1	Flours	45 mg/kg		Adopt	ed 1999

# **AZORUBINE**

Azorubine INS: 122

Function: C	olour			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	150 mg/kg		6
01.6.1	Unripened cheese	GMP	Note 3	6
01.6.2.2	Rind of ripened cheese	GMP		6
01.6.3	Whey cheese	GMP	Note 3	6
01.6.4	Processed cheese	200 mg/kg		6
01.6.5	Cheese analogues	GMP	Note 3	6
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	150 mg/kg		6
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	150 mg/kg		6
03.0	Edible ices, including sherbet and sorbet	150 mg/kg		6
04.1.1.2	Surface-treated fresh fruit	500 mg/kg	Note 16	6
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg		6
04.1.2.5	Jams, jellies, marmelades	500 mg/kg		6
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/kg		6
04.1.2.7	Candied fruit	200 mg/kg		6
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	500 mg/kg		6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	150 mg/kg		6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	500 mg/kg	Note 16	6
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	500 mg/kg		6
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	200 mg/kg		6
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	200 mg/kg		6
05.1	Cocoa products and chocolate products including imitations and chocolate substitutes	50 mg/kg		6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	300 mg/kg		6
05.3	Chewing gum	300 mg/kg		6
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500 mg/kg		6
06.3	Breakfast cereals, including rolled oats	200 mg/kg		6
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	150 mg/kg		6
07.1.2	Crackers, excluding sweet crackers	50 mg/kg		3

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Function: 0	Colour			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	50 mg/kg	9	3
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	200 mg/kg	9	6
08.0	Meat and meat products, including poultry and game	500 mg/kg	g Note 16	6
09.1.1	Fresh fish	300 mg/kg	g Note 50	6
09.1.2	Fresh mollusks, crustaceans, and echinoderms	500 mg/kg	g Note 16	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	g Note 95	6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/k	g Note 16	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	g Note 16	6
09.2.4.1	Cooked fish and fish products	500 mg/kg	9	6
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	250 mg/kg	9	6
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	g Note 16	6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	g Note 22	6
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	500 mg/kg	g Note 16	6
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	500 mg/kg	g Note 16	6
09.3.3	Salmon substitutes, caviar, and other fish roe products	500 mg/kg	9	6
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3	500 mg/k	9	6
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	9	6
10.1	Fresh eggs	GMP	Notes 3 & 4	6
10.4	Egg-based desserts (e.g., custard)	50 mg/kg	9	6
12.2.2	Seasonings and condiments	500 mg/kg	9	6
12.4	Mustards	300 mg/kg	9	6
12.5	Soups and broths	300 mg/kg	9	6
12.6	Sauces and like products	500 mg/kg	9	6
12.9.5	Other protein products	100 mg/kg	9	6
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	50 mg/kg	9	6
13.4	Dietetic formulae for slimming purposes and weight reduction	50 mg/k	9	6
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	300 mg/k		6
13.6	Food supplements	300 mg/kg	9	6
14.1.2.2	Vegetable juice	GMP		6
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	100 mg/k		6
14.2.2	Cider and perry	200 mg/kg	9	6
14.2.4	Wines (other than grape)	200 mg/kg	9	6
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	200 mg/kg	9	6
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	200 mg/kg	9	6

Function:	Colour

Food Cat. No.	Food Category	Max Level Co	omments Step Year
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	200 mg/kg	6
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	550 mg/kg	3
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	100 mg/kg	6
16.0	Composite foods - foods that could not be placed in categories 01 - 15	500 mg/kg	6

# BEESWAX, WHITE AND YELLOW

Beeswax, White and Yellow

INS: 901

Function: E	Bulking Agent, Glazing Agent, Release Agent, Stabilizer			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
04.1.1.2	Surface-treated fresh fruit	GM	Р	Adopted 2003
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GM	P Note 79	Adopted 2003
05.1.4	Cocoa and chocolate products	GM	P Note 3	Adopted 2001
05.1.5	Imitation chocolate, chocolate substitute products	GM	P Note 3	Adopted 2001
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GM	P Note 3	Adopted 2001
05.3	Chewing gum	GM	P	Adopted 2003
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GM	Р	Adopted 2003
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	GM	P Note 3	Adopted 2001
13.6	Food supplements	GM	P Note 3	Adopted 2001
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	200 mg/	kg	6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GM	P Note 108	Adopted 2001
15.0	Ready-to-eat savouries	GM	P Note 3	Adopted 2001

# **BEET RED**

Beet Red INS: 162

Function: C	Colour			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.4.1	Pasteurized cream (plain)	GMP		6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		6
02.1	Fats and oils essentially free from water	GMP		6
02.2.1.1	Butter and concentrated butter	GMP	Note 52	6
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP	Note 16	6
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Function: C	olour				
Food Cat. No.	Food Category		/lax Level	Comments	Step Year
06.1	Whole, broken, or flaked grain, including rice		GMP		6
06.4.2	Dried pastas and noodles and like products		GMP		6
08.1.1	Fresh meat, poultry, and game, whole pieces or c	euts	GMP	Note 16	6
08.1.2	Fresh meat, poultry, and game, comminuted		GMP	Note 117	6
09.1.1	Fresh fish		GMP	Note 50	6
09.1.2	Fresh mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	g	GMP		6
09.2.2	Frozen battered fish, fish fillets, and fish products, mollusks, crustaceans, and echinoderms	, including	GMP	Note 16	6
09.2.3	Frozen minced and creamed fish products, includ mollusks, crustaceans, and echinoderms	ling	GMP	Note 16	6
09.2.4.1	Cooked fish and fish products		GMP		6
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms		GMP		6
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.5	Smoked, dried, fermented, and/or salted fish and products, including mollusks, crustaceans, and ed		GMP	Note 22	6
10.1	Fresh eggs		GMP	Notes 3 & 4	6
11.4	Other sugars and syrups (e.g., xylose, maple syru toppings)	ıp, sugar	GMP		6
12.1.1	Salt		GMP		3
13.1.3	Formulae for special medical purposes for infants	1	20 mg/kg	Note 84	3
14.2.3.2	Sparkling and semi-sparkling grape wines		GMP		6
14.2.3.3	Fortified grape wine, grape liquor wine, and sweet wine	t grape	GMP		6
BENZOA	TES .				
Benzoic Acid	INS: 210	Sodium Benzoat	te	II	NS: 211
Potassium Benzoate INS: 212 Calcium Benzoate		ate INS: 213		NS: 213	
				-	
	reservative				
Food Cat. No.	Food Category		Max Level	Comments	Step Year
01.7	Dairy-based desserts (e.g., pudding, fruit or flavour yoghurt)	ured	300 mg/kg	Note 13	Adopted 2001
02.2.1.2	Margarine and similar products	1	1000 mg/kg	Note 13	Adopted 2001
02.2.2	Emulsions containing less than 80% fat	1	1000 mg/kg	Note 13	Adopted 2001
02.3	Fat emulsions maily of type oil-in-water, including and/or flavoured products based on fat emulsions		1000 mg/kg	Note 13	Adopted 2001
02.4	Fat-based desserts excluding dairy-based desser of food category 01.7		1000 mg/kg	Note 13	Adopted 2001
04.1.2.2	Dried fruit		800 mg/kg	Note 13	Adopted 2003
04.1.2.3	Fruit in vinegar, oil, or brine	1	1000 mg/kg	Note 13	Adopted 2001
04.1.2.5	Jams, jellies, marmelades	1	1000 mg/kg	Note 13	Adopted 2001
04.1.2.5	Jams, jellies, marmelades	1	1500 mg/kg	Note 13	3
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding profood category 04.1.2.5	ducts of 1	1000 mg/kg	Note 13	Adopted 2001
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Function: F	Preservative			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
04.1.2.7	Candied fruit	1000 mg/kg	Note 13	Adopted 2001
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	1000 mg/kg	Note 13	Adopted 2001
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	1000 mg/kg	Note 13	Adopted 2001
04.1.2.10	Fermented fruit products	1000 mg/kg	Note 13	Adopted 2001
04.1.2.11	Fruit fillings for pastries	1000 mg/kg	Note 13	Adopted 2001
04.1.2.12	Cooked fruit	1000 mg/kg	Note 13	Adopted 2001
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	1000 mg/kg	Note 13	Adopted 2003
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	2000 mg/kg	Note 13	Adopted 2001
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	1000 mg/kg	Note 13	Adopted 2001
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	3000 mg/kg	Note 13	Adopted 2001
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	1000 mg/kg	Note 13	Adopted 2001
04.2.2.8	Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	1000 mg/kg	Note 13	Adopted 2001
05.1.3	Cocoa-based spreads, including fillings	1500 mg/kg	Note 13	Adopted 2003
05.1.5	Imitation chocolate, chocolate substitute products	1500 mg/kg	Note 13	Adopted 2003
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	1500 mg/kg	Note 13	Adopted 2003
05.3	Chewing gum	1500 mg/kg	Note 13	6
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	1500 mg/kg	Note 13	Adopted 2003
06.4.3	Pre-cooked pastas and noodles and like products	1000 mg/kg	Note 13	Adopted 2004
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	1000 mg/kg	Note 13	Adopted 2003
07.0	Bakery wares	1000 mg/kg	Note 13	Adopted 2004
08.2.1.2	Cured (including salted) and dried non-heat treated processed meat, poultry, and game products in whole pieces or cuts	GMP	Notes 3 & 13	6
08.3.1.2	Cured (including salted) and dried non-heat treated processed comminuted meat, poultry, and game products	1000 mg/kg	Note 13	6
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	1000 mg/kg	Note 13	3
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	2000 mg/kg	Notes 13 & 82	Adopted 2003
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	Notes 13 & 121	Adopted 2004
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	2000 mg/kg	Notes 13 & 120	Adopted 2003
10.2.1	Liquid egg products	5000 mg/kg	Note 13	Adopted 2003
10.4	Egg-based desserts (e.g., custard)	1000 mg/kg	Note 13	Adopted 2003

Function: Preservative	

Function: Pi	reservative Food Category Food Category	Max Level	Comments	Step Year
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	1000 mg/kg	Note 13	Adopted 2003
11.6	Table-top sweeteners, including those containing high- intensity sweeteners	2000 mg/kg	Note 13	Adopted 2003
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	1000 mg/kg	Note 13	Adopted 2003
12.3	Vinegars	1000 mg/kg	Note 13	Adopted 2003
12.4	Mustards	1000 mg/kg	Note 13	Adopted 2003
12.5	Soups and broths	500 mg/kg	Note 13	Adopted 2001
12.5.1	Ready-to-eat soups and broths, including canned, bottled, and frozen	1000 mg/kg	Note 13	6
12.6	Sauces and like products	1000 mg/kg	Note 13	Adopted 2003
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	1500 mg/kg	Note 13	Adopted 2003
12.9.1.3	Other soybean protein products (including non-fermented soy sauce)	1000 mg/kg	Note 13	3
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	1500 mg/kg	Note 13	Adopted 2003
13.4	Dietetic formulae for slimming purposes and weight reduction	1500 mg/kg	Note 13	Adopted 2003
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	2000 mg/kg	Note 13	Adopted 2003
13.6	Food supplements	2000 mg/kg	Note 13	Adopted 2003
14.1.1.2	Table waters and soda waters	200 mg/kg	Note 13	6
14.1.2.1	Fruit juice	1000 mg/kg	Notes 13, 91 & 122	Adopted 2004
14.1.2.3	Concentrates for fruit juice	1000 mg/kg	Notes 13, 91, 122 & 127	Adopted 2004
14.1.3.1	Fruit nectar	1000 mg/kg	Notes 13, 91 & 122	Adopted 2004
14.1.3.3	Concentrates for fruit nectar	1000 mg/kg	Notes 13, 91, 122 & 127	Adopted 2004
14.1.3.4	Concentrates for vegetable nectar	600 mg/kg	Note 13	Adopted 2004
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	600 mg/kg	Notes 13 & 123	interim 2004
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	1000 mg/kg	Note 13	Adopted 2004
14.2.2	Cider and perry	1000 mg/kg	Note 13	Adopted 2004
14.2.4	Wines (other than grape)	1000 mg/kg	Note 13	Adopted 2003
14.2.5	Mead	1000 mg/kg	Note 13	Adopted 2004
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	1000 mg/kg	Note 13	Adopted 2003
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	1000 mg/kg	Note 13	Adopted 2004
16.0	Composite foods - foods that could not be placed in categories 01 - 15	1000 mg/kg	Note 13	Adopted 2004

#### **BENZOYL PEROXIDE**

Benzoyl Peroxide INS: 928

Function: B	leaching Agent (Not for Flour), Flour Treatment Agent				
Food Cat. No.	Food Category	Max Level	Comments	Step Ye	ear
01.6.2.1	Ripened cheese, includes rind	1000 mg/kg	Note 55	6	
01.8	Whey and whey products, excluding whey cheeses	GMP		6	
01.8.2	Dried whey and whey products, excluding whey cheeses	100 mg/kg		3	
06.2	Flours and starches (including soybean powder)	66 mg/kg		6	

#### **BHA**

Butylated Hydroxyanisole

INS: 320

Function: A	Antioxidant			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	200 mg/kg	Notes 15 & 88	3
01.3.1	Condensed milk (plain)	100 mg/kg	Note 88	6
01.3.1	Condensed milk (plain)	200 mg/kg	Notes 15 & 88	3
01.3.2	Beverage whiteners	100 mg/kg		6
01.5.1	Milk powder and cream powder (plain)	200 mg/kg	Note 15	6
01.5.2	Milk and cream powder analogues	100 mg/kg		6
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	2 mg/kg		6
02.0	Fats and oils, and fat emulsions	200 mg/kg	Note 15	6
03.0	Edible ices, including sherbet and sorbet	200 mg/kg	Note 15	6
04.1.2.2	Dried fruit	200 mg/kg		6
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	100 mg/kg		6
04.1.2.7	Candied fruit	32 mg/kg		6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	2 mg/kg		6
04.1.2.12	Cooked fruit	100 mg/kg		6
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	200 mg/kg	Note 76	6
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	200 mg/kg	Note 15	6
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	100 mg/kg		6
05.1.3	Cocoa-based spreads, including fillings	100 mg/kg		6
05.1.4	Cocoa and chocolate products	200 mg/kg	Note 15	6
05.1.5	Imitation chocolate, chocolate substitute products	200 mg/kg	Note 15	6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	200 mg/kg	Note 15	6
05.3	Chewing gum	750 mg/kg		6
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	200 mg/kg	Note 15	6
06.1	Whole, broken, or flaked grain, including rice	100 mg/kg		6

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Function: Antioxidant

cooked pastas and noodles and like products cooked pastas and noodles and like products cooked pastas and noodles and like products call and starch based desserts (e.g., rice pudding, oca pudding) cery wares ch meat, poultry, and game cessed meat, poultry, and game products in whole ces or cuts cessed comminuted meat, poultry, and game products cen fish, fish fillets, and fish products, including lusks, crustaceans, and echinoderms cen battered fish, fish fillets, and fish products, including	100 200 2 200 100 200	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	Note 15  Note 15  Note 15  Note 15  Note 15  Note 15	6 6 3 6 6 6 6
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lusks, crustaceans, and echinoderms	1000			O
zen battered fish, fish fillets, and fish products, including		0 0		6
lusks, crustaceans, and echinoderms	200	mg/kg	Note 15	6
oked, dried, fermented, and/or salted fish and fish ducts, including mollusks, crustaceans, and echinoderms		mg/kg		6
ni-preserved fish and fish products, including mollusks, staceans, and echinoderms				6
y preserved, including canned or fermented fish and fish ducts, including mollusks, crustaceans, and echinoderms	200	mg/kg		6
-based desserts (e.g., custard)	2	mg/kg		6
er sugars and syrups (e.g., xylose, maple syrup, sugar pings)	20	mg/kg		6
bs, spices, seasonings and condiments (e.g., seasoning nstant noodles)	200	mg/kg	Note 15	6
stards	200	mg/kg		6
ps and broths	200	mg/kg	Note 15	6
es for soups and broths	300	mg/kg	Note 15	3
ces and like products	200	mg/kg	Note 15	6
ads (e.g., macaroni salad, potato salad) and sandwich eads excluding cocoa- and nut-based spreads of food egories 04.2.2.5 and 05.1.3	200	mg/kg		6
st and like products	1000	mg/kg		6
d supplements	400	mg/kg		6
er-based flavoured drinks, including "sport," "energy," or ctrolyte" drinks and particulated drinks	1000	mg/kg	Note 15	6
cks - potato, cereal, flour or starch based (from roots tubers, pulses and legumes)	200	mg/kg	Note 15	6
cessed nuts, including coated nuts and nut mixtures h e.g., dried fruit)	200	mg/kg	Note 15	6
	ni-preserved fish and fish products, including mollusks, staceans, and echinoderms by preserved, including canned or fermented fish and fish ducts, including mollusks, crustaceans, and echinoderms ducts, seasoning sand condiments (e.g., seasoning products ducts) and broths ducts and broths ducts and like products ducts and like products ducts and like products ducts d	ni-preserved fish and fish products, including mollusks, staceans, and echinoderms  y preserved, including canned or fermented fish and fish ducts, including mollusks, crustaceans, and echinoderms -based desserts (e.g., custard)  er sugars and syrups (e.g., xylose, maple syrup, sugar bings)  os, spices, seasonings and condiments (e.g., seasoning nestant noodles)  etards  ps and broths  es for soups and broths  ces and like products  adds (e.g., macaroni salad, potato salad) and sandwich seads excluding cocoa- and nut-based spreads of food agories 04.2.2.5 and 05.1.3  st and like products  d supplements  er-based flavoured drinks, including "sport," "energy," or ctrolyte" drinks and particulated drinks  cks - potato, cereal, flour or starch based (from roots tubers, pulses and legumes)  cessed nuts, including coated nuts and nut mixtures  200  201  202  203  204  205  206  207  208  209  209  209  200  200  200  200	mi-preserved fish and fish products, including mollusks, staceans, and echinoderms by preserved, including canned or fermented fish and fish ducts, including mollusks, crustaceans, and echinoderms beased desserts (e.g., custard) 2 mg/kg are sugars and syrups (e.g., xylose, maple syrup, sugar bings) 20 mg/kg are sugars and condiments (e.g., seasoning anstant noodles) 200 mg/kg are supplements 200 mg/kg are sugars and broths 200 mg/kg are stards 200 mg/kg are stards 200 mg/kg are stored and broths 200 mg/kg are stored and broths 200 mg/kg are stored and like products 200 mg/kg are stored flavoured drinks, including "sport," "energy," or ctrolyte" drinks and particulated drinks 200 mg/kg are based flavoured drinks, including "sport," "energy," or ctrolyte" drinks and particulated drinks 200 mg/kg are sported and legumes) 200 mg/kg 200 mg/kg are sported and legumes) 200 mg/kg 200 mg	ni-preserved fish and fish products, including mollusks, staceans, and echinoderms by preserved, including canned or fermented fish and fish ducts, including mollusks, crustaceans, and echinoderms based desserts (e.g., custard)  er sugars and syrups (e.g., xylose, maple syrup, sugar bings)  bis, spices, seasonings and condiments (e.g., seasoning instant noodles)  stards  ps and broths  es for soups and broths  ces and like products  add (e.g., macaroni salad, potato salad) and sandwich bads excluding cocoa- and nut-based spreads of food agories 04.2.2.5 and 05.1.3  st and like products  d supplements  er-based flavoured drinks, including "sport," "energy," or ctrolyte" drinks and particulated drinks  cks - potato, cereal, flour or starch based (from roots tubers, pulses and legumes)  bessed nuts, including coated nuts and nut mixtures  200 mg/kg  200 mg/kg  Note 15  200 mg/kg  Note 15  200 mg/kg  Note 15

Function: A	djuvant, Antioxidant			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.3.1	Condensed milk (plain)	100 mg/kg	Note 88	6
01.3.1	Condensed milk (plain)	200 mg/kg	Notes 15 & 88	3
01.3.2	Beverage whiteners	100 mg/kg		6
01.5.1	Milk powder and cream powder (plain)	200 mg/kg	Note 15	6
01.5.2	Milk and cream powder analogues	100 mg/kg		6
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	90 mg/kg	Note 2	6
02.1	Fats and oils essentially free from water	200 mg/kg	Note 15	6
02.2.1.1	Butter and concentrated butter	200 mg/kg	Note 15	6
02.2.1.2	Margarine and similar products	500 mg/kg		6
02.2.2	Emulsions containing less than 80% fat	200 mg/kg	Note 15	6
02.3	Fat emulsions maily of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	200 mg/kg	Note 15	6
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	200 mg/kg	Note 15	6
03.0	Edible ices, including sherbet and sorbet	100 mg/kg	Note 15	6
04.1.2.2	Dried fruit	100 mg/kg		6
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	100 mg/kg		6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	90 mg/kg	Note 2	6
04.1.2.12	Cooked fruit	100 mg/kg		6
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	200 mg/kg	Note 76	6
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	200 mg/kg	Note 15	6
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	90 mg/kg		6
05.1.4	Cocoa and chocolate products	200 mg/kg	Note 15	6
05.1.5	Imitation chocolate, chocolate substitute products	200 mg/kg	Note 15	6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	200 mg/kg	Note 15	6
05.3	Chewing gum	750 mg/kg		6
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	200 mg/kg	Note 15	6
06.1	Whole, broken, or flaked grain, including rice	200 mg/kg		6
06.3	Breakfast cereals, including rolled oats	50 mg/kg		6
06.4.3	Pre-cooked pastas and noodles and like products	200 mg/kg		6
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	90 mg/kg	Note 2	6
07.0	Bakery wares	200 mg/kg	Note 15	6
08.1	Fresh meat, poultry, and game	100 mg/kg	Note 15	6
08.2	Processed meat, poultry, and game products in whole pieces or cuts	100 mg/kg	Note 15	6
08.3	Processed comminuted meat, poultry, and game products	100 mg/kg	Note 15	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg		6

Function: Adjuvant, Antioxidant

Food Cat. No.	Food Category	Max Level	Comments	Step Year
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	Note 15	6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg		6
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg		6
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg		6
10.4	Egg-based desserts (e.g., custard)	90 mg/kg	Note 2	6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	20 mg/kg		6
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	200 mg/kg	Note 15	6
12.4	Mustards	100 mg/kg		6
12.5	Soups and broths	200 mg/kg	Note 15	6
12.6	Sauces and like products	200 mg/kg	Note 15	6
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	100 mg/kg		6
12.8	Yeast and like products	100 mg/kg		6
13.6	Food supplements	400 mg/kg		6
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	1000 mg/kg	Note 15	6
15.0	Ready-to-eat savouries	200 mg/kg	Note 15	6

# **BLEACHED STARCH**

Bleached Starch INS: 1403

Function: E	dulking Agent, Emulsifier, Stabilizer, Thickener					
Food Cat. No.	Food Category	Max Le	evel	Comments	Step Year	_
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	1	GMP		3	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)		GMP		6	
02.1	Fats and oils essentially free from water		GMP		6	
02.2.1.1	Butter and concentrated butter		GMP	Note 52	6	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000	mg/kg		6	
13.1.1	Infant formulae		GMP		3	
13.1.2	Follow-up formulae		GMP		3	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	10000	mg/kg		6	

#### **BRILLIANT BLACK PN**

Brilliant Black PN INS: 151

Food Cat. No.	Food Category	Max Level	Comments	Step Yea
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	150 mg/kg		6
01.6.1	Unripened cheese	GMP	Note 3	6
01.6.2.2	Rind of ripened cheese	GMP		6
01.6.3	Whey cheese	GMP	Note 3	6
01.6.4	Processed cheese	200 mg/kg		6
01.6.5	Cheese analogues	GMP	Note 3	6
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	150 mg/kg		6
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	150 mg/kg		6
03.0	Edible ices, including sherbet and sorbet	150 mg/kg		6
04.1.1.2	Surface-treated fresh fruit	500 mg/kg	Note 16	6
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg		6
04.1.2.5	Jams, jellies, marmelades	500 mg/kg		6
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/kg		6
04.1.2.7	Candied fruit	200 mg/kg		6
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	500 mg/kg		6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	150 mg/kg		6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	500 mg/kg	Note 16	6
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	500 mg/kg		6
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	200 mg/kg		6
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	200 mg/kg		6
05.1.4	Cocoa and chocolate products	300 mg/kg		6
05.1.5	Imitation chocolate, chocolate substitute products	300 mg/kg		6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	300 mg/kg		6
05.3	Chewing gum	300 mg/kg		6
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500 mg/kg		6
06.3	Breakfast cereals, including rolled oats	200 mg/kg		6
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	150 mg/kg		6
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	200 mg/kg		6
08.0	Meat and meat products, including poultry and game	500 mg/kg	Note 16	6
09.1.1	Fresh fish	300 mg/kg	Note 50	6
09.1.2	Fresh mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6

Function: Co	lour
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Function: C	olour			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 95	6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.4.1	Cooked fish and fish products	500 mg/kg		6
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	250 mg/kg		6
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 22	6
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	500 mg/kg	Note 16	6
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	500 mg/kg	Note 16	6
09.3.3	Salmon substitutes, caviar, and other fish roe products	500 mg/kg		6
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3	500 mg/kg		6
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg		6
10.1	Fresh eggs	GMP	Notes 3 & 4	6
10.4	Egg-based desserts (e.g., custard)	150 mg/kg		6
12.2.2	Seasonings and condiments	500 mg/kg		6
12.4	Mustards	300 mg/kg		6
12.5	Soups and broths	300 mg/kg		6
12.6	Sauces and like products	500 mg/kg		6
12.9.5	Other protein products	100 mg/kg		6
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	50 mg/kg		6
13.4	Dietetic formulae for slimming purposes and weight reduction	50 mg/kg		6
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	300 mg/kg		6
13.6	Food supplements	300 mg/kg		6
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	100 mg/kg		6
14.2.2	Cider and perry	200 mg/kg		6
14.2.4	Wines (other than grape)	200 mg/kg		6
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	200 mg/kg		6
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	200 mg/kg		6
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	200 mg/kg		6
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	100 mg/kg		6
16.0	Composite foods - foods that could not be placed in categories 01 - 15	500 mg/kg		6

## **BRILLIANT BLUE FCF**

Brilliant Blue FCF INS: 133

Function: C	Colour			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	150 mg/kg		6
01.6.1	Unripened cheese	GMP	Note 3	6
01.6.1	Unripened cheese	200 mg/kg	Note 3	3
01.6.2.2	Rind of ripened cheese	100 mg/kg		6
01.6.3	Whey cheese	GMP	Note 3	6
01.6.3	Whey cheese	200 mg/kg	Note 3	3
01.6.4	Processed cheese	200 mg/kg		6
01.6.5	Cheese analogues	GMP	Note 3	6
01.6.5	Cheese analogues	200 mg/kg	Note 3	3
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	150 mg/kg		6
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		6
02.1.3	Lard, tallow, fish oil, and other animal fats	200 mg/kg		3
02.2.1.1	Butter and concentrated butter	100 mg/kg		6
02.2.1.2	Margarine and similar products	GMP		6
02.2.1.2	Margarine and similar products	200 mg/kg		3
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	150 mg/kg		6
03.0	Edible ices, including sherbet and sorbet	150 mg/kg		6
04.1.1.2	Surface-treated fresh fruit	500 mg/kg	Note 16	6
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg		6
04.1.2.5	Jams, jellies, marmelades	500 mg/kg		6
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/kg		6
04.1.2.7	Candied fruit	200 mg/kg		6
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	500 mg/kg		6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	150 mg/kg		6
04.1.2.11	Fruit fillings for pastries	250 mg/kg		6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	500 mg/kg	Note 16	6
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	500 mg/kg		6
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	200 mg/kg		6
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	200 mg/kg		6

Food Cat. No.	Food Category	Max Level	Comments	Step Year
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	500 mg/kg		3
05.1.3	Cocoa-based spreads, including fillings	100 mg/kg		6
05.1.3	Cocoa-based spreads, including fillings	300 mg/kg		3
05.1.4	Cocoa and chocolate products	100 mg/kg		6
05.1.4	Cocoa and chocolate products	300 mg/kg		3
05.1.5	Imitation chocolate, chocolate substitute products	100 mg/kg		6
05.1.5	Imitation chocolate, chocolate substitute products	300 mg/kg		3
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	300 mg/kg		6
05.3	Chewing gum	300 mg/kg		6
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500 mg/kg		6
06.3	Breakfast cereals, including rolled oats	200 mg/kg		6
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	150 mg/kg		6
07.1	Bread and ordinary bakery wares	100 mg/kg		6
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	200 mg/kg		6
08.0	Meat and meat products, including poultry and game	500 mg/kg	Note 16	6
09.1.1	Fresh fish	300 mg/kg	Note 50	6
09.1.2	Fresh mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 95	6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.4.1	Cooked fish and fish products	500 mg/kg		6
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	250 mg/kg		6
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 22	6
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	500 mg/kg	Note 16	6
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	500 mg/kg	Note 16	6
09.3.3	Salmon substitutes, caviar, and other fish roe products	500 mg/kg		6
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3	500 mg/kg		6

products of food categories 09.3.1 - 09.3.3

Egg-based desserts (e.g., custard)

Seasonings and condiments

Powdered sugar, powdered dextrose

Fresh eggs

Mustards

Fully preserved, including canned or fermented fish and fish

products, including mollusks, crustaceans, and echinoderms

09.4

10.1

10.4

11.1.2

12.2.2

12.4

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Notes 3 & 4 6

6

6

6

6

500 mg/kg

150 mg/kg

100 mg/kg

500 mg/kg

300 mg/kg

GMP

Function: 0	Colour			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
12.5	Soups and broths	300 mg/kg		6
12.6	Sauces and like products	500 mg/kg		6
12.9.5	Other protein products	100 mg/kg		6
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	50 mg/kg		6
13.4	Dietetic formulae for slimming purposes and weight reduction	50 mg/kg		6
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	300 mg/kg		6
13.6	Food supplements	300 mg/kg		6
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	100 mg/kg		6
14.2.1	Beer and malt beverages	GMP		6
14.2.1	Beer and malt beverages	200 mg/kg		3
14.2.2	Cider and perry	200 mg/kg		6
14.2.4	Wines (other than grape)	200 mg/kg		6
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	200 mg/kg		6
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	200 mg/kg		6
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	200 mg/kg		6
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	100 mg/kg		6
16.0	Composite foods - foods that could not be placed in categories 01 - 15	500 mg/kg		6
BROMEL	.AIN			
Bromelain	INS: 1101iii			
Function:	Flavour Enhancer, Flour Treatment Agent, Stabilizer, Thickener			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP		6
14.2.3.2	Sparkling and semi-sparkling grape wines	GMP		6
BROWN				
Brown HT	INS: 155			
Function: 0	Colour			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
04.4.0	Daim, based drivers flavor, and analysis forms and de-	150 mg/kg		6
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)			
01.1.2		GMP	Note 3	6
	chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)		Note 3	6
01.6.1	chocolate milk, cocoa, eggnog, drinking yoghurt, whey- based drinks) Unripened cheese	GMP	Note 3	

09.2.4.1

Cooked fish and fish products

Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.6.4	Processed cheese	200 mg/kg		6
01.6.5	Cheese analogues	GMP	Note 3	6
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	150 mg/kg		6
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	150 mg/kg		6
03.0	Edible ices, including sherbet and sorbet	150 mg/kg		6
04.1.1.2	Surface-treated fresh fruit	500 mg/kg	Note 16	6
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg		6
04.1.2.5	Jams, jellies, marmelades	500 mg/kg		6
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/kg		6
04.1.2.7	Candied fruit	200 mg/kg		6
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	500 mg/kg		6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	150 mg/kg		6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	500 mg/kg	Note 16	6
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	500 mg/kg		6
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	200 mg/kg		6
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	200 mg/kg		6
05.1.4	Cocoa and chocolate products	80 mg/kg		6
05.1.5	Imitation chocolate, chocolate substitute products	80 mg/kg		6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	300 mg/kg		6
05.3	Chewing gum	300 mg/kg		6
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500 mg/kg		6
06.3	Breakfast cereals, including rolled oats	200 mg/kg		6
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	150 mg/kg		6
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	200 mg/kg		6
08.0	Meat and meat products, including poultry and game	500 mg/kg	Note 16	6
09.1.1	Fresh fish	300 mg/kg	Note 50	6
09.1.2	Fresh mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 95	6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.4.1	Cooked fish and fish products	500 ma/ka		6

6

500 mg/kg

Function: Co Food Cat. No.	olour	 Max Level	Comments	Step Year
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms			6
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 22	6
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	500 mg/kg	Note 16	6
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	500 mg/kg	Note 16	6
09.3.3	Salmon substitutes, caviar, and other fish roe products	500 mg/kg		6
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3	500 mg/kg		6
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg		6
10.1	Fresh eggs	GMP	Notes 3 & 4	6
10.4	Egg-based desserts (e.g., custard)	50 mg/kg		6
12.2.2	Seasonings and condiments	500 mg/kg		6
12.4	Mustards	300 mg/kg		6
12.5	Soups and broths	300 mg/kg		6
12.6	Sauces and like products	500 mg/kg		6
12.9.5	Other protein products	100 mg/kg		6
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	50 mg/kg		6
13.4	Dietetic formulae for slimming purposes and weight reduction	50 mg/kg		6
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	300 mg/kg		6
13.6	Food supplements	300 mg/kg		6
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	100 mg/kg		6
14.2.2	Cider and perry	200 mg/kg		6
14.2.4	Wines (other than grape)	200 mg/kg		6
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	200 mg/kg		6
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	200 mg/kg		6
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	200 mg/kg		6
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	100 mg/kg		6
16.0	Composite foods - foods that could not be placed in categories 01 - 15	500 mg/kg		6
CAL CILIM	ACETATE			
Calcium Aceta				
Function: Ad	cidity Regulator, Preservative, Stabilizer, Thickener			
Food Cat. No.	Food Category	Max Level	Comments	Step Year

Function: A	cidity Regulator, Preservative, Stabilizer, Thickener				
Food Cat. No.	Food Category	Max Level	Comments	Step Yea	r _
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	1500 mg/kg		6	
13.2	Complementary foods for infants and young children	GMP		6	

#### **CALCIUM ALGINATE**

Calcium Alginate

INS: 404

Function: A	ntifoaming Agent, Emulsifier, Stabilizer, Thickener					
Food Cat. No.	Food Category	Max L	evel	Comments	Step	Year
01.1.1.2	Buttermilk (plain)	6000	mg/kg		6	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	5000	mg/kg		6	
01.4.1	Pasteurized cream (plain)	1000	mg/kg		6	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000	mg/kg		6	
02.1	Fats and oils essentially free from water	5000	mg/kg		6	
02.2.1.1	Butter and concentrated butter		GMP	Note 52	6	
04.1.1.2	Surface-treated fresh fruit		GMP		6	
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6	
06.4.2	Dried pastas and noodles and like products		GMP		6	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	5000	mg/kg		6	
10.2.1	Liquid egg products	6000	mg/kg		6	
10.2.2	Frozen egg products	6000	mg/kg		6	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000	mg/kg		6	
13.1.1	Infant formulae	300	mg/kg		6	
13.1.3	Formulae for special medical purposes for infants	5000	mg/kg		3	
13.2	Complementary foods for infants and young children	5000	mg/kg		6	
14.2.3.2	Sparkling and semi-sparkling grape wines		GMP		6	

# **CALCIUM ALUMINIUM SILICATE (SYNTHETIC)**

Calcium Aluminium Silicate (Synthetic) INS: 556

Function: A	anticaking Agent			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
06.1	Whole, broken, or flaked grain, including rice	GMP		6
11.1.2	Powdered sugar, powdered dextrose	15000 mg/kg	Note 56	6
12.1.1	Salt	20000 mg/kg		6
12.1.2	Salt Substitutes	10000 mg/kg		6
14.2.3	Grape wines	GMP		6

#### **CALCIUM ASCORBATE**

Calcium Ascorbate INS: 302

Function: A	ntioxidant				
Food Cat. No.	Food Category	Max L	evel	Comments	Step Year
02.1	Fats and oils essentially free from water		GMP		6
02.2.1.1	Butter and concentrated butter		GMP	Note 52	6
04.1.1	Fresh fruit		GMP		6
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6
06.4.1	Fresh pastas and noodles and like products	200	mg/kg		3
06.4.2	Dried pastas and noodles and like products	200	mg/kg		3
08.1.2	Fresh meat, poultry, and game, comminuted		GMP		6
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	400	mg/kg		6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 15	6
13.1.2	Follow-up formulae	50	mg/kg		6
13.1.3	Formulae for special medical purposes for infants	3000	mg/kg		3
13.2	Complementary foods for infants and young children	3000	mg/kg		6
14.1.2.1	Fruit juice		GMP		7
14.1.2.2	Vegetable juice		GMP		3
14.1.2.3	Concentrates for fruit juice		GMP	Note 127	7
14.1.2.4	Concentrates for vegetable juice		GMP		3
14.1.3.1	Fruit nectar		GMP		7
14.1.3.2	Vegetable nectar		GMP		3
14.1.3.3	Concentrates for fruit nectar		GMP	Note 127	7
14.1.3.4	Concentrates for vegetable nectar		GMP		3
14.2.3	Grape wines		GMP		6

## **CALCIUM CARBONATE**

Calcium Carbonate INS: 170i

Function:	Anticaking Agent, Acidity Regulator, Colour, Emulsifier, Stabilizer			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.2.2	Renneted milk (plain)	GMF	)	6
01.4.1	Pasteurized cream (plain)	GMF	)	6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000 mg/k	g	6
04.1.1.2	Surface-treated fresh fruit	GMF	Note 16	6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMF	Note 16	6
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Function:

04.2.2.7	Food Category	Max L	evel	Comments	Step Year
	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	10000	mg/kg	Note 58	3
06.1	Whole, broken, or flaked grain, including rice	2220	mg/kg		6
06.2	Flours and starches (including soybean powder)	10000	mg/kg	Note 58	3
06.2.1	Flours		GMP	Note 57	6
06.4.1	Fresh pastas and noodles and like products	10000	mg/kg	Note 58	3
06.4.2	Dried pastas and noodles and like products	10000	mg/kg	Note 58	3
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts		GMP	Note 16	6
08.1.2	Fresh meat, poultry, and game, comminuted	1500	mg/kg		6
09.1.1	Fresh fish		GMP	Note 50	6
09.1.2	Fresh mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	10000	mg/kg	Note 58	3
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 95	6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.4.1	Cooked fish and fish products		GMP		6
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms		GMP		6
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms  Smoked, dried, fermented, and/or salted fish and fish		GMP GMP	Note 16	6
10.1	products, including mollusks, crustaceans, and echinoderms Fresh eggs		GMP	Notes 3 & 4	6
12.1.1	Salt	20000	_	. 10100 0 01 .	6
12.1.2	Salt Substitutes		mg/kg	Note 58	3
12.2.1	Herbs and spices		mg/kg	Notes 51& 58	
13.1.1	Infant formulae	10000	GMP	110.000 0100 00	6
13.1.2	Follow-up formulae		GMP		6
13.1.3	Formulae for special medical purposes for infants		GMP		3
13.2	Complementary foods for infants and young children		GMP		6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	10000	mg/kg	Note 58	3
	Grape wines	2500	mg/kg		6

Anticaking Agent, Acidity Regulator, Colour, Emulsifier, Stabilizer

Function: Firming Agent, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	800 mg/kg	Note 58	6
04.2.1.3	Peeled, cut or shredded fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	800 mg/kg	Note 58	6
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	4000 mg/kg		6
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	10000 mg/kg	Note 58	3
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	15000 mg/kg		6
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	10000 mg/kg	Note 58	3
12.1.2	Salt Substitutes	10000 mg/kg	Note 58	3
12.2.1	Herbs and spices	10000 mg/kg	Notes 51 & 58	3
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	3200 mg/kg		6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	10000 mg/kg	Note 58	3

### **CALCIUM CITRATES**

Calcium Citrates INS: 333

Function: Ad	cidity Regulator,Antioxidant, Emulsifier, Firming Agent, Sequestr	ant		
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.4.1	Pasteurized cream (plain)	GMP		6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		6
02.1	Fats and oils essentially free from water	GMP		6
02.2.1.1	Butter and concentrated butter	GMP	Note 52	6
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP		6
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		6
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
12.2.1	Herbs and spices	GMP	Note 51	6
13.1.1	Infant formulae	GMP		6
13.1.3	Formulae for special medical purposes for infants	GMP		3
13.2	Complementary foods for infants and young children	GMP		6

#### **CALCIUM GLUCONATE**

Calcium Gluconate INS: 578

Function: A	cidity Regulator, Firming Agent, Stabilizer, Thickener			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	800 mg/kg	Note 58	6
04.2.1.3	Peeled, cut or shredded fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	800 mg/kg	Note 58	6
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	1000 mg/kg	Note 58	6

#### **CALCIUM GLUTAMATE, DI-L-**

Calcium Glutamate, DI-L-

INS: 623

Function: F	lavour Enhancer				
Food Cat. No.	Food Category	Max Level	Comments	Step	Year
12.1.2	Salt Substitutes	GMP		6	
12.2.1	Herbs and spices	GMP	Note 51	6	

## **CALCIUM GUANYLATE, 5'-**

Calcium Guanylate, 5'-

INS: 629

	Function: Fla	avour Enhancer				
•	Food Cat. No.	Food Category	Max Level	Comments	Step Ye	ar
	12.1.2	Salt Substitutes	GMP		6	
	12.2.1	Herbs and spices	GMP	Note 51	6	

#### **CALCIUM HYDROXIDE**

Calcium Hydroxide INS: 526

Function: Ad	cidity Regulator, Firming Agent			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
02.2.1.1	Butter and concentrated butter	GMP	Note 52	6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	800 mg/kg	Note 58	6
04.2.1.3	Peeled, cut or shredded fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	800 mg/kg	Note 58	6
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	1000 mg/kg	Note 58	6

Function: Acidity Regulator, Firming Agent

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP		6	
13.1.1	Infant formulae	GMP		6	
13.1.2	Follow-up formulae	GMP		6	
13.1.3	Formulae for special medical purposes for infants	GMP		3	
13.2	Complementary foods for infants and young children	GMP		6	

## **CALCIUM INOSINATE, 5'-**

Calcium Inosinate, 5'-

INS: 633

Function: Flavour Enhancer

Food Cat. No.	Food Category	Max Level	Comments	Step Year
12.1.2	Salt Substitutes	GMP		6
12.2.1	Herbs and spices	GMP	Note 51	6

#### **CALCIUM LACTATE**

Calcium Lactate

INS: 327

Function: Acidity Regulator, Antioxidant, Emulsifier, Firming Agent, Stabilzer, Thickener				
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.4.1	Pasteurized cream (plain)	GMP		6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		3
02.1	Fats and oils essentially free from water	GMP		6
02.2.1.1	Butter and concentrated butter	GMP	Note 52	6
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	10000 mg/kg	Note 58	3
08.1.2	Fresh meat, poultry, and game, comminuted	6000 mg/kg	I	6
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	10000 mg/kg	Note 58	3
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	10000 mg/kg	Note 58	3
12.1.1	Salt	GMP		6
12.1.2	Salt Substitutes	10000 mg/kg	Note 58	3
12.2.1	Herbs and spices	10000 mg/kg	Notes 51 & 58	3
13.1.3	Formulae for special medical purposes for infants	GMP		3
13.2	Complementary foods for infants and young children	GMP		6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	10000 mg/kg	Note 58	3

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CALCIUM	M MALATE				
Calcium Mal		INS: 352ii			
	Acidity Regulator				
Food Cat. No.	Food Category		Max Level	Comments	Step Year
14.2.3	Grape wines		GMP		6
CALCIUN	A OVIDE				
Calcium Oxi		INS: 529			
- Calolain Cxi		11.01.020			
Function:	Acidity Regulator, Flour Trea	atment Agent			
Food Cat. No.	Food Category		Max Level	Comments	Step Year
08.1.1	Fresh meat, poultry, and	game, whole pieces or cuts	GMP		6
	A DDODIONATE				
	M PROPIONATE	INC. 202			
Calcium Pro	pionate	INS: 282			
Function: I	Preservative				
Food Cat. No.	Food Category		Max Level	Comments	Step Year
06.2	Flours and starches (incli	uding soybean powder)	GMP		3
06.4.1	Fresh pastas and noodle	s and like products	250 mg/kg		3
06.4.2	Dried pastas and noodles	s and like products	250 mg/kg		3
	M RIBONUCLEOTI				
Calcium Rib	onucleotides, 5'-	INS: 634			
Function: I	Flavour Enhancer				
Food Cat. No.	Food Category		Max Level	Comments	Step Year
04.2.2.7		cluding mushrooms and fungi,	GMP		3
		and legumes, and aloe vera), and ding fermented soybean products			
00.40	of food category 12.10		CMD		2
06.4.2 12.1.2	Dried pastas and noodles	s and like products	GMP		3
	Salt Substitutes		GMP	Note 51	6
12.2.1	Herbs and spices		GMP	Note 51	6
CAI CILIN	M SILICATE				
Calcium Silic		INS: 552			
Function:	Anticaking Agent				
Food Cat. No.	Food Category		Max Level	Comments	Step Year

Function: Anticaking Agent Food Category Food Cat. No. Max Level Comments Step Year 11.1.2 Powdered sugar, powdered dextrose 6 15000 mg/kg Note 56 Salt 20000 mg/kg 12.1.1 6 12.1.2 Salt Substitutes 10000 mg/kg 6

## **CALCIUM SULPHATE**

Calcium Sulphate

INS: 516

Function: A	cidity Regulator, Bulking Agent, Firming Agent, Flour Treatment A	gent, Sequestra	nt, Stabilizer, Th	nickener
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.4.1	Pasteurized cream (plain)	GMP		3
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		3
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	800 mg/kg	Note 58	6
04.2.1.3	Peeled, cut or shredded fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	800 mg/kg	Note 58	6
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	3500 mg/kg		6
06.2.1	Flours	GMP	Note 57	6
06.4.2	Dried pastas and noodles and like products	5000 mg/kg		6
14.2.3.3	Fortified grape wine, grape liquor wine, and sweet grape wine	2000 mg/kg		6

#### **CANDELILLA WAX**

Candelilla Wax

INS: 902

Function: B	ulking Agent, Carrier Solvent, Glazing Agent, Release Agent			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
04.1.1.2	Surface-treated fresh fruit	GMP		Adopted 2003
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP	Note 79	Adopted 2003
05.1.4	Cocoa and chocolate products	GMP	Note 3	Adopted 2001
05.1.5	Imitation chocolate, chocolate substitute products	GMP	Note 3	Adopted 2001
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP	Note 3	Adopted 2001
05.3	Chewing gum	GMP		Adopted 2003
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		Adopted 2003
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	GMP	Note 3	Adopted 2001
13.6	Food supplements	GMP	Note 3	Adopted 2001
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	200 mg/kg		6

Function: Bulking Agent, Carrier Solvent, Glazing Agent, Release Agent Food Cat. No. Food Category Step Year Max Level Comments 14.1.5 Coffee, coffee substitutes, tea, herbal infusions, and other GMP Note 108 Adopted 2001 hot cereal and grain beverages, excluding cocoa 15.0 Ready-to-eat savouries **GMP** Adopted 2001 Note 3

#### **CANTHAXANTHIN**

Canthaxanthin INS: 161g

Function: C	Colour			
Food Cat. No.	Food Category	Max Leve	el Comments	Step Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	GI	MP	6
01.6	Cheese and analogues	GN	MP	6
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	GI	MP	6
02.0	Fats and oils, and fat emulsions	GI	MP	6
03.0	Edible ices, including sherbet and sorbet	GI	MP	6
04.1.2.4	Canned or bottled (pasteurized) fruit	GN	MP	6
04.1.2.5	Jams, jellies, marmelades	200 mg	g/kg	6
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GI	MP	6
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	GN	MP	6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	GI	MP	6
04.1.2.11	Fruit fillings for pastries	GI	MP	6
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	8.2 mg	g/kg	6
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	GN	MP	6
05.1	Cocoa products and chocolate products including imitations and chocolate substitutes	GI	MP	6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	50 mg	g/kg	6
05.3	Chewing gum	300 mg	g/kg	6
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GI	MP	6
06.3	Breakfast cereals, including rolled oats	35 mg	g/kg	6
06.3	Breakfast cereals, including rolled oats	50 mg	g/kg	3
06.4.2	Dried pastas and noodles and like products	GN	MP	6
06.4.3	Pre-cooked pastas and noodles and like products	GI	MP	6
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	GN	MP	6
07.0	Bakery wares	GN	MP	6
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	100 mg	g/kg	6
08.1.2	Fresh meat, poultry, and game, comminuted	1000 mg	g/kg Note 94	6

	blour				
Food Cat. No.	Food Category	Max L	evel	Comments	Step Year
08.3.1.1	Cured (including salted) non-heat treated processed comminuted meat, poultry, and game products	100	mg/kg	Note 118	6
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	15	mg/kg		6
08.4	Edible casings (e.g., sausage casings)		GMP		6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
09.2.4.1	Cooked fish and fish products	200	mg/kg		6
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 22	6
09.3.3	Salmon substitutes, caviar, and other fish roe products		GMP		6
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	100	mg/kg		6
10.1	Fresh eggs		GMP	Notes 3 & 4	6
10.4	Egg-based desserts (e.g., custard)		GMP		6
11.3	Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3		GMP		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)		GMP		6
12.2.2	Seasonings and condiments		GMP		6
12.5.2	Mixes for soups and broths	100	mg/kg		6
12.6	Sauces and like products	100	mg/kg		6
12.9.5	Other protein products	100	mg/kg		6
14.1.4.1	Carbonated water-based flavoured drinks		GMP		6
14.1.4.2	Non-carbonated water-based flavoured drinks, including punches and ades	5	mg/kg		6
14.1.4.3	Concentrates (liquid or solid) for water-based flavoured drinks	100	mg/kg		6
14.2.1	Beer and malt beverages	5	mg/kg		6
14.2.3	Grape wines	5	mg/kg		6
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	5	mg/kg		6
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)		GMP		6
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	5	mg/kg		3
	Snacks - potato, cereal, flour or starch based (from roots		GMP		6
15.1 16.0	and tubers, pulses and legumes)  Composite foods - foods that could not be placed in		GMP	Note 2	6

Food Cat. No. Food Category Max Level Comments Step Year

Function: C	Colour			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.4.1	Pasteurized cream (plain)	GMP		6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		6
02.2.1.1	Butter and concentrated butter	GMP	Note 52	6
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP	Note 16	6
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	GMP		3
06.1	Whole, broken, or flaked grain, including rice	GMP		6
06.4.2	Dried pastas and noodles and like products	GMP		6
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	6
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		6
09.1.1	Fresh fish	GMP	Note 50	6
09.1.2	Fresh mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 95	6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 41	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.4.1	Cooked fish and fish products	GMP		6
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	GMP		6
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
10.1	Fresh eggs	GMP	Notes 3 & 4	6
11.1.2	Powdered sugar, powdered dextrose	GMP		6
12.1.2	Salt Substitutes	GMP		3
12.2.1	Herbs and spices	GMP	Note 51	3
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		3
14.2.3	Grape wines	GMP		6

## **CARAMEL COLOUR, CLASS II**

Caramel Colour, Class II-caustic sulphate INS: 150b process

Function:			
Food Cat. No.	Food Category	Max Level Comm	nents Step Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	50000 mg/kg	3
01.6	Cheese and analogues	50000 mg/kg	3

#### Function:

Function:				
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	50000 mg/kg		3
01.8	Whey and whey products, excluding whey cheeses	50000 mg/kg		3
02.0	Fats and oils, and fat emulsions	20000 mg/kg		3
03.0	Edible ices, including sherbet and sorbet	30000 mg/kg		3
04.1.2	Processed fruit	80000 mg/kg		3
04.2.2	Processed vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	80000 mg/kg		3
05.0	Confectionery	50000 mg/kg		3
06.3	Breakfast cereals, including rolled oats	50000 mg/kg		3
06.4.2	Dried pastas and noodles and like products	50000 mg/kg		3
06.4.3	Pre-cooked pastas and noodles and like products	50000 mg/kg		3
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	50000 mg/kg		3
06.6	Batters (e.g., for breading or batters for fish or poultry)	50000 mg/kg		3
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	50000 mg/kg		3
07.0	Bakery wares	50000 mg/kg		3
08.0	Meat and meat products, including poultry and game	200000 mg/kg		3
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	30000 mg/kg		3
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	30000 mg/kg		3
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	30000 mg/kg		3
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	30000 mg/kg		3
10.1	Fresh eggs	20000 mg/kg		3
10.2	Egg products	20000 mg/kg		3
10.3	Preserved eggs, including alkaline, salted, and canned eggs	20000 mg/kg		3
10.4	Egg-based desserts (e.g., custard)	20000 mg/kg		3
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	50000 mg/kg		3
11.6	Table-top sweeteners, including those containing high- intensity sweeteners	50000 mg/kg		3
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	100000 mg/kg		3
12.3	Vinegars	100000 mg/kg		3
12.4	Mustards	100000 mg/kg		3
12.5	Soups and broths	100000 mg/kg		3
12.6	Sauces and like products	100000 mg/kg		3
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	100000 mg/kg		3
12.9.1	Soybean protein products	100000 mg/kg		3
12.9.3	Semi-dehydrated bean curd	80000 mg/kg		3
12.9.5	Other protein products	100000 mg/kg		3

Function:

Food Cat. No.	Food Category	Max Level	Comments Step Year
12.10	Fermented soybean products	100000 mg/kg	3
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	20000 mg/kg	3
13.4	Dietetic formulae for slimming purposes and weight reduction	20000 mg/kg	3
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	20000 mg/kg	3
13.6	Food supplements	35000 mg/kg	3
14.1.2.2	Vegetable juice	50000 mg/kg	3
14.1.2.4	Concentrates for vegetable juice	50000 mg/kg	3
14.1.3.2	Vegetable nectar	50000 mg/kg	3
14.1.3.4	Concentrates for vegetable nectar	50000 mg/kg	3
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	50000 mg/kg	3
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	50000 mg/kg	3
14.2	Alcoholic beverages, including alcohol-free and low- alcoholic counterparts	50000 mg/kg	3
15.0	Ready-to-eat savouries	10000 mg/kg	3
16.0	Composite foods - foods that could not be placed in categories 01 - 15	20000 mg/kg	3

# **CARAMEL COLOUR, CLASS III**

Caramel Colour, Class III - Ammonia Process INS: 150c

Function: C	Colour			
Food Cat. No.	Food Category	Max Leve	Comments	Step Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	150 mg	/kg	Adopted 1999
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	50000 mg	/kg	3
01.2.1	Fermented milks (plain)	150 mg	/kg Note 12	Adopted 1999
01.2.2	Renneted milk (plain)	GN	1P	Adopted 1999
01.3.2	Beverage whiteners	GN	1P	Adopted 1999
01.3.2	Beverage whiteners	1000 mg	/kg	3
01.4.3	Clotted cream (plain)	GN.	1P	Adopted 1999
01.4.3	Clotted cream (plain)	5000 mg	/kg	3
01.4.4	Cream analogues	GN	1P	Adopted 1999
01.4.4	Cream analogues	5000 mg	/kg	3
01.5.2	Milk and cream powder analogues	GN	1P	Adopted 1999
01.5.2	Milk and cream powder analogues	5000 mg	/kg	3
01.6	Cheese and analogues	50000 mg	/kg	3
01.6.1	Unripened cheese	GN	1P	Adopted 1999
01.6.2.2	Rind of ripened cheese	GN	1P	Adopted 1999

Function: C	Colour			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.6.3	Whey cheese	GMP	Note 3	Adopted 1999
01.6.4	Processed cheese	GMP	•	Adopted 1999
01.6.5	Cheese analogues	GMP	•	Adopted 1999
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	2000 mg/k	g	Adopted 1999
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	50000 mg/k	g	3
01.8	Whey and whey products, excluding whey cheeses	50000 mg/k	g	3
02.1	Fats and oils essentially free from water	20000 mg/k	g	3
02.2.1.2	Margarine and similar products	GMP	)	6
02.2.1.2	Margarine and similar products	20000 mg/k	g	3
02.2.2	Emulsions containing less than 80% fat	20000 mg/k	g	3
02.3	Fat emulsions maily of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	GMP	•	6
02.3	Fat emulsions maily of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	20000 mg/k	g	3
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	GMP	•	Adopted 1999
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	20000 mg/k	g	3
03.0	Edible ices, including sherbet and sorbet	1000 mg/k	g	Adopted 1999
03.0	Edible ices, including sherbet and sorbet	30000 mg/k	g	3
04.1.2	Processed fruit	80000 mg/k	g	3
04.1.2.3	Fruit in vinegar, oil, or brine	GMP	1	Adopted 1999
04.1.2.4	Canned or bottled (pasteurized) fruit	GMP	1	Adopted 1999
04.1.2.5	Jams, jellies, marmelades	GMP	1	Adopted 1999
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/k	g	Adopted 1999
04.1.2.7	Candied fruit	GMP	)	Adopted 1999
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	7500 mg/k	g	Adopted 1999
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	GMP	•	Adopted 1999
04.1.2.11	Fruit fillings for pastries	7500 mg/k	g	Adopted 1999
04.2.2	Processed vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	80000 mg/k	g	3
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP	Note 76	6
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	500 mg/k	g	Adopted 1999
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	GMP	1	Adopted 1999
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	GMP	•	Adopted 1999

Colour

Function:

07.1.2

07.1.3

07.1.4

07.1.5

07.2

07.2

0.80

0.80

Crackers, excluding sweet crackers

Steamed breads and buns

muffins)

crumbs

Other ordinary bakery products (e.g., bagels, pita, English

Bread-type products, including bread stuffing and bread

Fine bakery wares (sweet, salty, savoury) and mixes

Fine bakery wares (sweet, salty, savoury) and mixes

Meat and meat products, including poultry and game

Meat and meat products, including poultry and game

Food Cat. No.	Food Category	Max L	evel	Comments	Step `	Year
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5		GMP		Adopted	I 1999
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10		GMP		6	
04.2.2.8	Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds		GMP		6	
05.0	Confectionery	50000	mg/kg		3	
05.1.1	Cocoa mixes (powders) and cocoa mass/cake		GMP		6	
05.1.2	Cocoa mixes (syrups)		GMP		6	
05.1.3	Cocoa-based spreads, including fillings		GMP		Adopted	l 1999
05.1.4	Cocoa and chocolate products		GMP		6	
05.1.5	Imitation chocolate, chocolate substitute products		GMP		6	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4		GMP		Adopted	l 1999
05.3	Chewing gum	20000	mg/kg		Adopted	1999
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces		GMP		Adopted	l 1999
06.3	Breakfast cereals, including rolled oats	6500	mg/kg		Adopted	l 1999
06.3	Breakfast cereals, including rolled oats	50000	mg/kg		3	
06.4.2	Dried pastas and noodles and like products		GMP		6	
06.4.2	Dried pastas and noodles and like products	50000	mg/kg		3	
06.4.3	Pre-cooked pastas and noodles and like products		GMP		6	
06.4.3	Pre-cooked pastas and noodles and like products	50000	mg/kg		3	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)		GMP		Adopted	l 1999
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	50000	mg/kg		3	
06.6	Batters (e.g., for breading or batters for fish or poultry)		GMP		6	
06.6	Batters (e.g., for breading or batters for fish or poultry)	50000	mg/kg		3	
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	50000	mg/kg		3	
07.1.2	Crackers, excluding sweet crackers		GMP		6	

Note 3

Note 16

3

3

3

3

3

Adopted 1999

Adopted 1999

50000 mg/kg

50000 mg/kg

50000 mg/kg

50000 mg/kg

50000 mg/kg

200000 mg/kg

**GMP** 

GMP

12.6

12.6

12.7

Sauces and like products

Sauces and like products

Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3

Food Cat. No.	Food Category	Max L	evel	Comments	Step Year
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms		GMP	Notes 3 & 50	Adopted 1999
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	30000	mg/kg	Note 16	3
09.1.1	Fresh fish		GMP	Notes 3 & 50	6
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 50	Adopted 1999
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	30000	mg/kg		3
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 50	6
09.2.4.1	Cooked fish and fish products		GMP	Note 50	6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 50	6
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	30000	mg/kg		3
09.3.3	Salmon substitutes, caviar, and other fish roe products		GMP	Note 50	Adopted 1999
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500	mg/kg	Note 50	Adopted 1999
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	30000	mg/kg		3
10.1	Fresh eggs		GMP	Notes 3 & 4	Adopted 199
10.1	Fresh eggs	20000	mg/kg	Notes 3 & 4	3
10.2	Egg products	20000	mg/kg		3
10.3	Preserved eggs, including alkaline, salted, and canned eggs	20000	mg/kg		3
10.4	Egg-based desserts (e.g., custard)		GMP		Adopted 1999
10.4	Egg-based desserts (e.g., custard)	20000	mg/kg		3
11.1.2	Powdered sugar, powdered dextrose		GMP		Adopted 1999
11.1.2	Powdered sugar, powdered dextrose	50000	mg/kg		3
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	50000	mg/kg		3
11.6	Table-top sweeteners, including those containing high- intensity sweeteners	50000	mg/kg		3
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	100000	mg/kg		3
12.2.2	Seasonings and condiments		GMP		Adopted 1999
12.3	Vinegars		GMP		6
12.3	Vinegars	1000	mg/kg		Adopted 1999
12.3	Vinegars	100000	mg/kg		3
12.4	Mustards		GMP		Adopted 199
12.4	Mustards	100000	mg/kg		3
12.5	Soups and broths		GMP		Adopted 1999
12.5	Soups and broths	100000	mg/kg		3

1500 mg/kg

GMP

100000 mg/kg

Adopted 1999

Adopted 1999

3

Function: 0	Colour			
Food Cat. No.	Food Category	Max L	evel Comments	Step Year
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	100000	mg/kg	3
12.9.1	Soybean protein products	100000	mg/kg	3
12.9.3	Semi-dehydrated bean curd	80000	mg/kg	3
12.9.5	Other protein products		GMP	Adopted 1999
12.9.5	Other protein products	100000	mg/kg	3
12.10	Fermented soybean products	100000	mg/kg	3
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)		GMP	Adopted 1999
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	20000	mg/kg	3
13.4	Dietetic formulae for slimming purposes and weight reduction		GMP	Adopted 1999
13.4	Dietetic formulae for slimming purposes and weight reduction	20000	mg/kg	3
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6		GMP	Adopted 1999
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	20000	mg/kg	3
13.6	Food supplements		GMP	Adopted 1999
13.6	Food supplements	20000	mg/kg	3
14.1.2.2	Vegetable juice		GMP	6
14.1.2.2	Vegetable juice	50000	5 5	3
14.1.2.4	Concentrates for vegetable juice		GMP	6
14.1.2.4	Concentrates for vegetable juice	50000	mg/kg	3
14.1.3.2	Vegetable nectar		GMP	Adopted 1999
14.1.3.2	Vegetable nectar	50000	mg/kg	3
14.1.3.4	Concentrates for vegetable nectar		GMP	Adopted 1999
14.1.3.4	Concentrates for vegetable nectar	50000	mg/kg	3
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks		GMP	Adopted 1999
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	5000	mg/kg	6
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	50000	mg/kg	3
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa		GMP	6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	100000	mg/kg	3
14.2	Alcoholic beverages, including alcohol-free and low- alcoholic counterparts	50000	mg/kg	3
14.2.1	Beer and malt beverages		GMP	Adopted 1999
14.2.2	Cider and perry		GMP	Adopted 1999
14.2.3.3	Fortified grape wine, grape liquor wine, and sweet grape wine		GMP	Adopted 1999
14.2.4	Wines (other than grape)		GMP	Adopted 1999
14.2.5	Mead		GMP	6
14.2.6	Distilled spirituous beverages containing more than 15% alcohol		GMP	Adopted 1999

Food Cat. No.	Food Category	Max Level Comments	Step Year
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	GMP	Adopted 1999
15.0	Ready-to-eat savouries	GMP	Adopted 1999
15.0	Ready-to-eat savouries	10000 mg/kg	3
16.0	Composite foods - foods that could not be placed in categories 01 - 15	1000 mg/kg	Adopted 1999
16.0	Composite foods - foods that could not be placed in categories 01 - 15	20000 mg/kg	3

# **CARAMEL COLOUR, CLASS IV**

Caramel Colour, Class IV - Ammonia Sulphite Process

INS: 150d

Function: 0	Colour					
Food Cat. No.	Food Category	Max Lev	vel	Comments	Step Yea	ar
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	150 n	ng/kg		Adopted 19	999
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	50000 n	ng/kg		3	
01.2.1	Fermented milks (plain)	150 m	ng/kg	Note 12	Adopted 19	999
01.2.2	Renneted milk (plain)	G	3MP		Adopted 19	999
01.3.2	Beverage whiteners	G	3MP		Adopted 19	999
01.3.2	Beverage whiteners	1000 n	ng/kg		3	
01.4.3	Clotted cream (plain)	G	3MP		Adopted 19	999
01.4.3	Clotted cream (plain)	5000 n	ng/kg		3	
01.4.4	Cream analogues	G	3MP		Adopted 19	999
01.4.4	Cream analogues	5000 n	ng/kg		3	
01.5.2	Milk and cream powder analogues	G	3MP		Adopted 19	999
01.5.2	Milk and cream powder analogues	5000 m	ng/kg		3	
01.6	Cheese and analogues	50000 n	ng/kg		3	
01.6.1	Unripened cheese	G	3MP		Adopted 19	999
01.6.2.2	Rind of ripened cheese	G	3MP		Adopted 19	999
01.6.3	Whey cheese	G	3MP	Note 3	Adopted 19	999
01.6.4	Processed cheese	100 m	ng/kg		Adopted 19	999
01.6.4.1	Plain processed cheese	G	3MP		6	
01.6.4.2	Flavoured processed cheese, including containing fruit, vegetables, meat, etc.	100 n	ng/kg	Notes 5 & 72	6	
01.6.5	Cheese analogues	G	3MP		Adopted 19	999
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	2000 n	ng/kg		Adopted 19	999
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	50000 n	ng/kg		3	
01.8	Whey and whey products, excluding whey cheeses	50000 m	ng/kg		3	
02.1	Fats and oils essentially free from water	20000 n	ng/kg		3	

Function: 0	Colour					
Food Cat. No.	Food Category	Max L	.evel	Comments	Step Y	'ear
02.2.1.2	Margarine and similar products		GMP		6	
02.2.1.2	Margarine and similar products	20000	mg/kg		3	
02.2.2	Emulsions containing less than 80% fat	20000	mg/kg		3	
02.3	Fat emulsions maily of type oil-in-water, including mixed and/or flavoured products based on fat emulsions		GMP		6	
02.3	Fat emulsions maily of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	20000	mg/kg		3	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7		GMP		Adopted	1999
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	20000	mg/kg		3	
03.0	Edible ices, including sherbet and sorbet	1000	mg/kg		Adopted	1999
03.0	Edible ices, including sherbet and sorbet	30000	mg/kg		3	
04.1.2	Processed fruit	80000	mg/kg		3	
04.1.2.3	Fruit in vinegar, oil, or brine		GMP		Adopted	1999
04.1.2.4	Canned or bottled (pasteurized) fruit		GMP		Adopted	1999
04.1.2.5	Jams, jellies, marmelades	1500	mg/kg		Adopted	1999
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500	mg/kg		Adopted	1999
04.1.2.7	Candied fruit		GMP		Adopted	1999
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	7500	mg/kg		Adopted	1999
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts		GMP		Adopted	1999
04.1.2.11	Fruit fillings for pastries	7500	mg/kg		Adopted	1999
04.2.2	Processed vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	80000	mg/kg		3	
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP	Note 76	6	
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	500	mg/kg		Adopted	1999
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds		GMP		Adopted	1999
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)		GMP		Adopted	1999
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5		GMP		Adopted	1999
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10		GMP		6	
04.2.2.8	Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds		GMP		6	
05.0	Confectionery	50000	mg/kg		3	
05.1.1	Cocoa mixes (powders) and cocoa mass/cake		GMP		6	

Function:	Colour				
Food Cat. No.	Food Category	Max L	evel	Comments	Step Year
05.1.2	Cocoa mixes (syrups)		GMP		6
05.1.3	Cocoa-based spreads, including fillings		GMP		Adopted 1999
05.1.4	Cocoa and chocolate products		GMP		6
05.1.5	Imitation chocolate, chocolate substitute products		GMP		6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4		GMP		Adopted 1999
05.3	Chewing gum	20000	mg/kg		Adopted 1999
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces		GMP		Adopted 1999
06.3	Breakfast cereals, including rolled oats	2500	mg/kg		Adopted 1999
06.3	Breakfast cereals, including rolled oats	50000	mg/kg		3
06.4.2	Dried pastas and noodles and like products		GMP		6
06.4.2	Dried pastas and noodles and like products	50000	mg/kg		3
06.4.3	Pre-cooked pastas and noodles and like products		GMP		6
06.4.3	Pre-cooked pastas and noodles and like products	50000	mg/kg		3
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)		GMP		Adopted 1999
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	50000	mg/kg		3
06.6	Batters (e.g., for breading or batters for fish or poultry)		GMP		6
06.6	Batters (e.g., for breading or batters for fish or poultry)	50000	mg/kg		3
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)		GMP		6
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	50000	mg/kg		3
07.1.2	Crackers, excluding sweet crackers		GMP		6
07.1.2	Crackers, excluding sweet crackers	50000	mg/kg		3
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	50000	mg/kg		3
07.1.4	Bread-type products, including bread stuffing and bread crumbs		mg/kg		3
07.1.5	Steamed breads and buns		mg/kg		3
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	50000	mg/kg		3
07.2.1	Cakes, cookes and pies (e.g., fruit-filled or custard types)		GMP		Adopted 1999
07.2.2	Other fine bakery products (e.g., doughnuts, sweet rolls, scones, and muffins)	1200	mg/kg		Adopted 1999
07.2.3	Mixes for fine bakery wares (e.g., cakes, pancakes)		GMP		Adopted 1999
08.0	Meat and meat products, including poultry and game		GMP		Adopted 1999
0.80	Meat and meat products, including poultry and game	200000	mg/kg	Note 16	3
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms		GMP	Notes 3 & 50	Adopted 1999
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	30000	mg/kg	Note 16	3
09.1.1	Fresh fish		GMP	Notes 3 & 50	6
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 50	Adopted 1999
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	30000	mg/kg		3

	olour				
Food Cat. No.	Food Category	Max L	.evel	Comments	Step Year
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 50	6
09.2.4.1	Cooked fish and fish products		GMP	Note 50	6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 50	6
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	30000	mg/kg		3
09.3.3	Salmon substitutes, caviar, and other fish roe products		GMP	Note 50	Adopted 1999
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms		mg/kg	Note 50	Adopted 1999
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	30000			3
10.1	Fresh eggs		GMP	Notes 3 & 4	Adopted 1999
10.1	Fresh eggs		mg/kg	Notes 3 & 4	3
10.2	Egg products	20000	mg/kg		3
10.3	Preserved eggs, including alkaline, salted, and canned eggs	20000	mg/kg		3
10.4	Egg-based desserts (e.g., custard)		GMP		Adopted 1999
10.4	Egg-based desserts (e.g., custard)	20000	mg/kg		3
11.1.2	Powdered sugar, powdered dextrose		GMP		Adopted 1999
11.1.2	Powdered sugar, powdered dextrose	50000	mg/kg		3
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	50000	mg/kg		3
11.6	Table-top sweeteners, including those containing high- intensity sweeteners	50000	mg/kg		3
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	100000	0 0		3
12.2.2	Seasonings and condiments		GMP		Adopted 1999
12.3	Vinegars		GMP		Adopted 1999
12.3	Vinegars	100000	mg/kg		3
12.4	Mustards		GMP		Adopted 1999
12.4	Mustards	100000	mg/kg		3
12.5	Soups and broths	100000	mg/kg		3
12.5.1	Ready-to-eat soups and broths, including canned, bottled, and frozen	3000	mg/kg		Adopted 1999
12.5.2	Mixes for soups and broths		GMP		Adopted 1999
12.6	Sauces and like products	1500	mg/kg		Adopted 1999
12.6	Sauces and like products	100000	mg/kg		3
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3		GMP		Adopted 1999
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	100000	mg/kg		3
12.9.1	Soybean protein products	100000	mg/kg		3
12.9.3	Semi-dehydrated bean curd	80000	mg/kg		3
12.9.5	Other protein products		GMP		Adopted 1999
12.9.5	Other protein products	100000	mg/kg		3
12.10	Fermented soybean products	100000	mg/kg		3

Function: Co	olour			
Food Cat. No.	Food Category	Max L	evel Comments	Step Year
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)		GMP	Adopted 1999
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	20000	mg/kg	3
13.4	Dietetic formulae for slimming purposes and weight reduction		GMP	Adopted 1999
13.4	Dietetic formulae for slimming purposes and weight reduction	20000	mg/kg	3
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6		GMP	Adopted 1999
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	20000	mg/kg	3
13.6	Food supplements		GMP	Adopted 1999
13.6	Food supplements	20000	mg/kg	3
14.1.2.2	Vegetable juice		GMP	6
14.1.2.2	Vegetable juice	50000	mg/kg	3
14.1.2.4	Concentrates for vegetable juice		GMP	6
14.1.2.4	Concentrates for vegetable juice	50000	mg/kg	3
14.1.3.2	Vegetable nectar		GMP	Adopted 1999
14.1.3.2	Vegetable nectar	50000	mg/kg	3
14.1.3.4	Concentrates for vegetable nectar		GMP	Adopted 1999
14.1.3.4	Concentrates for vegetable nectar	50000	mg/kg	3
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks		GMP	Adopted 1999
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	5000	mg/kg	6
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	50000	mg/kg	3
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa		GMP	6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	100000		3
14.2	Alcoholic beverages, including alcohol-free and low- alcoholic counterparts	50000	mg/kg	3
14.2.1	Beer and malt beverages		GMP	Adopted 1999
14.2.2	Cider and perry		GMP	Adopted 1999
14.2.3.3	Fortified grape wine, grape liquor wine, and sweet grape wine		GMP	Adopted 1999
14.2.4	Wines (other than grape)		GMP	Adopted 1999
14.2.5	Mead		GMP	6
14.2.6	Distilled spirituous beverages containing more than 15% alcohol		GMP	Adopted 1999
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)		GMP	Adopted 1999
15.0	Ready-to-eat savouries		GMP 	Adopted 1999
15.0	Ready-to-eat savouries		mg/kg	3
16.0	Composite foods - foods that could not be placed in categories 01 - 15		mg/kg	Adopted 1999
16.0	Composite foods - foods that could not be placed in categories 01 - 15	20000	mg/kg	3

#### **CARBON DIOXIDE**

Carbon Dioxide INS: 290

Function: A	djuvant, Carbonating Agent, Packing Gas				
Food Cat. No.	Food Category	Max L	evel	Comments	Step Year
01.1.1	Milk and buttermilk (plain)		GMP	Note 59	6
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)		GMP	Note 59	6
01.4.1	Pasteurized cream (plain)		GMP	Note 59	6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)		GMP	Note 59	6
04.1.1	Fresh fruit		GMP	Note 59	6
04.2.1	Fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP	Note 59	6
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP	Note 59	6
06.4.1	Fresh pastas and noodles and like products		GMP	Note 59	3
08.1.2	Fresh meat, poultry, and game, comminuted	100	mg/kg	Note 59	6
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 59	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 59	6
13.1.1	Infant formulae		GMP	Note 59	3
13.1.2	Follow-up formulae		GMP	Note 59	3
13.2	Complementary foods for infants and young children		GMP	Note 59	3
14.1.2.1	Fruit juice		GMP	Note 69	7
14.1.2.3	Concentrates for fruit juice		GMP	Notes 69 & 127	7
14.1.3.1	Fruit nectar		GMP	Note 69	7
14.1.3.3	Concentrates for fruit nectar		GMP	Notes 69 & 127	7
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa		GMP	Note 59	6
14.2.3	Grape wines		GMP	Note 60	6

#### **CARMINES**

Carmines INS: 120

Function:	Colour			
Food Cat. No	. Food Category	Max Level	Comments	Step Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	150 mg/kg		6
01.6.1	Unripened cheese	GMP	Note 3	6
01.6.2.1	Ripened cheese, includes rind	125 mg/kg		6
01.6.2.2	Rind of ripened cheese	GMP		6
01.6.3	Whey cheese	GMP	Note 3	6
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06.5

06.6

Food Cat. No.	Food Category	Max Le	vel	Comments	Step \	Year
01.6.4.2	Flavoured processed cheese, including containing fruit, vegetables, meat, etc.	100 r	ng/kg		6	
01.6.5	Cheese analogues	(	3MP	Note 3	6	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	150 r	ng/kg		6	
02.1	Fats and oils essentially free from water	(	3MP		6	
02.1	Fats and oils essentially free from water	500 r	ng/kg		3	
02.2	Fat emulsions mainly of type water-in-oil	(	3MP		6	
02.2	Fat emulsions mainly of type water-in-oil	500 r	ng/kg		3	
02.3	Fat emulsions maily of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	500 r	ng/kg		6	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	150 r	ng/kg		6	
03.0	Edible ices, including sherbet and sorbet	150 r	ng/kg		6	
04.1.1.2	Surface-treated fresh fruit	500 r	ng/kg	Note 16	6	
04.1.2.4	Canned or bottled (pasteurized) fruit	200 r	ng/kg		6	
04.1.2.5	Jams, jellies, marmelades	200 r	ng/kg		6	
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 r	ng/kg		6	
04.1.2.7	Candied fruit	200 r	ng/kg		6	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	500 r	ng/kg		6	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	150 r	ng/kg		6	
04.1.2.11	Fruit fillings for pastries	300 n	ng/kg		6	
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	500 r	ng/kg	Note 16	6	
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	500 r	ng/kg		6	
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	100 r	ng/kg		6	
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	200 r	ng/kg		6	
05.1	Cocoa products and chocolate products including imitations and chocolate substitutes	300 r	ng/kg		6	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	300 r	ng/kg		6	
05.3	Chewing gum	1020 r	ng/kg		6	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500 r	0 0		6	
06.3	Breakfast cereals, including rolled oats	200 n	ng/kg		6	
06.4.2	Dried pastas and noodles and like products	100 r	ng/kg		3	
06.4.3	Pre-cooked pastas and noodles and like products	100 r	ng/kg		3	

Cereal and starch based desserts (e.g., rice pudding,

Batters (e.g., for breading or batters for fish or poultry)

tapioca pudding)

150 mg/kg

GMP

6

12.4

Mustards

Food Cat. No.	Food Category	Max Level	Comments	Step Year
06.6	Batters (e.g., for breading or batters for fish or poultry)	500 mg/kg		3
07.1	Bread and ordinary bakery wares	GMP		6
07.1.4	Bread-type products, including bread stuffing and bread crumbs	500 mg/kg		3
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	200 mg/kg		6
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	500 mg/kg	Note 16	6
08.1.2	Fresh meat, poultry, and game, comminuted	100 mg/kg	Note 117	6
08.2	Processed meat, poultry, and game products in whole pieces or cuts	500 mg/kg	Note 16	6
08.3.1.1	Cured (including salted) non-heat treated processed comminuted meat, poultry, and game products	200 mg/kg	Note 118	6
08.3.1.2	Cured (including salted) and dried non-heat treated processed comminuted meat, poultry, and game products	100 mg/kg		6
08.3.1.3	Fermented non-heat treated processed comminuted meat, poultry, and game products	100 mg/kg		6
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	100 mg/kg		6
08.3.3	Frozen processed comminuted meat, poultry, and game products	500 mg/kg	Note 16	6
08.4	Edible casings (e.g., sausage casings)	500 mg/kg	Note 16	6
09.1.1	Fresh fish	300 mg/kg	Note 50	6
09.1.2	Fresh mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg	Note 85	3
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg		3
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.4.1	Cooked fish and fish products	500 mg/kg		6
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	250 mg/kg		6
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	150 mg/kg		3
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	Note 22	6
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	500 mg/kg	Note 16	6
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	500 mg/kg	Note 16	6
09.3.3	Salmon substitutes, caviar, and other fish roe products	500 mg/kg		6
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3	100 mg/kg		6
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
10.1	Fresh eggs	GMP	Notes 3 & 4	6
10.4	Egg-based desserts (e.g., custard)	150 mg/kg		6
12.2.2	Seasonings and condiments	500 mg/kg		6

6

300 mg/kg

6

Function:

Colour

Food Cat. No.	Food Category	Max Level Comm	nents Step Year
12.5	Soups and broths	50 mg/kg	6
12.6	Sauces and like products	500 mg/kg	6
12.9.5	Other protein products	100 mg/kg	6
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	50 mg/kg	6
13.4	Dietetic formulae for slimming purposes and weight reduction	50 mg/kg	6
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	300 mg/kg	6
13.6	Food supplements	300 mg/kg	6
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	1000 mg/kg	6
14.2.1	Beer and malt beverages	100 mg/kg	3
14.2.2	Cider and perry	200 mg/kg	6
14.2.3.1	Still grape wine	200 mg/kg	6
14.2.3.2	Sparkling and semi-sparkling grape wines	200 mg/kg	6
14.2.3.3	Fortified grape wine, grape liquor wine, and sweet grape wine	200 mg/kg	6
14.2.4	Wines (other than grape)	200 mg/kg	6
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	200 mg/kg	6
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	200 mg/kg	6
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	500 mg/kg	3
		000 //	_

#### **CARNAUBA WAX**

15.1

15.2

16.0

Carnauba Wax INS: 903

(with e.g., dried fruit)

and tubers, pulses and legumes)

Snacks - potato, cereal, flour or starch based (from roots

Processed nuts, including coated nuts and nut mixtures

Composite foods - foods that could not be placed in categories 01 - 15

Function: Anticaking Agent, Adjuvant, Bulking Agent, Carrier Solvent, Glazing Agent, Release Agent					
Food Cat. No.	Food Category	Max Level	Comments	Step Year	
04.1.1.2	Surface-treated fresh fruit	400 mg/kg		Adopted 2004	
04.1.2	Processed fruit	400 mg/kg		Adopted 2004	
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	400 mg/kg	Note 79	Adopted 2004	
05.1.4	Cocoa and chocolate products	500 mg/kg	Note 3	Adopted 2001	
05.1.4	Cocoa and chocolate products	10000 mg/kg	Note 3	3	
05.1.5	Imitation chocolate, chocolate substitute products	GMP	Note 3	Adopted 2001	
05.1.5	Imitation chocolate, chocolate substitute products	10000 mg/kg	Note 3	3	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP	Note 3	Adopted 2001	

200 mg/kg

100 mg/kg

500 mg/kg

Function:	Anticaking Agent, Adjuvant, Bulkin	a Agent, Carrier Solvent.	Glazing Agent, Release Agent

Food Cat. No.	Food Category	Max Level	Comments	Step Year
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	10000 mg/kg	Note 3	3
05.3	Chewing gum	1200 mg/kg	Note 3	Adopted 2003
05.3	Chewing gum	10000 mg/kg	Note 3	3
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	4000 mg/kg		Adopted 2001
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	10000 mg/kg		6
07.0	Bakery wares	GMP	Note 3	Adopted 2001
07.0	Bakery wares	10000 mg/kg	Note 3	3
12.6	Sauces and like products	GMP		6
13.6	Food supplements	GMP	Note 3	Adopted 2001
13.6	Food supplements	500 mg/kg	Note 3	3
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	200 mg/kg	Note 119	Adopted 2003
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	Note 108	Adopted 2001
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	200 mg/kg	Note 108	3
15.0	Ready-to-eat savouries	GMP	Note 3	Adopted 2001
15.0	Ready-to-eat savouries	2000 mg/kg	Note 3	3

## **CAROB BEAN GUM**

Carob Bean Gum INS: 410

Function: E	mulsifier, Stabilizer, Thickener				
Food Cat. No.	Food Category	Max L	evel	Comments	Step Year
01.1.1.1	Milk (plain)		GMP		6
01.1.1.2	Buttermilk (plain)	5000	mg/kg		6
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)		GMP		3
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	5000	mg/kg		6
01.2.2	Renneted milk (plain)		GMP		6
01.4.1	Pasteurized cream (plain)	5000	mg/kg		6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000	mg/kg		6
02.1	Fats and oils essentially free from water		GMP		6
02.2.1.1	Butter and concentrated butter	2000	mg/kg	Note 52	6
04.1.1.2	Surface-treated fresh fruit		GMP		6
04.1.1.3	Peeled or cut fresh fruit		GMP		6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6
04.2.1.3	Peeled, cut or shredded fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6
06.1	Whole, broken, or flaked grain, including rice		GMP		6
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Function: Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max L	evel	Comments	Step	Year
06.4.1	Fresh pastas and noodles and like products		GMP		3	
06.4.2	Dried pastas and noodles and like products		GMP		6	
08.1.2	Fresh meat, poultry, and game, comminuted		GMP		6	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6	
10.2.1	Liquid egg products		GMP		6	
10.2.2	Frozen egg products		GMP		6	
11.1.2	Powdered sugar, powdered dextrose		GMP		6	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	5000	mg/kg		6	
12.2.1	Herbs and spices		GMP	Note 51	6	
13.1.1	Infant formulae	2000	mg/kg		6	
13.1.2	Follow-up formulae	1000	mg/kg		6	
13.1.3	Formulae for special medical purposes for infants	10000	mg/kg		3	
13.2	Complementary foods for infants and young children	20000	mg/kg		6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa		GMP		6	
14.2.3	Grape wines		GMP		6	

# **CAROTENES, VEGETABLE**

Carotenes, Natural Extracts, (Vegetable) INS: 160aii

Function: C	Colour					
Food Cat. No.	Food Category	Max L	evel	Comments	Step	Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)		GMP		6	
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	1000	mg/kg		3	
01.3.2	Beverage whiteners		GMP		6	
01.3.2	Beverage whiteners	1000	mg/kg		3	
01.4	Cream (plain) and the like		GMP		6	
01.4	Cream (plain) and the like	1000	mg/kg		3	
01.5.2	Milk and cream powder analogues		GMP		6	
01.5.2	Milk and cream powder analogues	1000	mg/kg		3	
01.6.1	Unripened cheese		GMP		6	
01.6.1	Unripened cheese	600	mg/kg		3	
01.6.2.1	Ripened cheese, includes rind	600	mg/kg		6	
01.6.2.2	Rind of ripened cheese		GMP		6	
01.6.2.2	Rind of ripened cheese	1000	mg/kg		3	
01.6.2.3	Cheese powder (for reconstitution; e.g., for cheese sauces)		GMP		6	
01.6.2.3	Cheese powder (for reconstitution; e.g., for cheese sauces)	1000	mg/kg		3	

Function: C	colour			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.6.3	Whey cheese	GMF	Note 3	6
01.6.3	Whey cheese	1000 mg/k	g Note 3	3
01.6.4	Processed cheese	GMF	•	6
01.6.4	Processed cheese	1000 mg/k	g	3
01.6.5	Cheese analogues	GMF	Note 3	6
01.6.5	Cheese analogues	1000 mg/k	g Note 3	3
01.6.6	Whey protein cheese	GMF	•	6
01.6.6	Whey protein cheese	1000 mg/k	g	3
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	GMF	•	6
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	1000 mg/k	g	3
02.1	Fats and oils essentially free from water	GMF	1	6
02.1	Fats and oils essentially free from water	1000 mg/k	g	3
02.2.1.1	Butter and concentrated butter	600 mg/k	g	6
02.2.1.2	Margarine and similar products	26 mg/k	g	6
02.2.1.2	Margarine and similar products	1000 mg/k	g	3
02.2.2	Emulsions containing less than 80% fat	GMF	•	6
02.2.2	Emulsions containing less than 80% fat	1000 mg/k	g	3
02.3	Fat emulsions maily of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	GMF	•	6
02.3	Fat emulsions maily of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	1000 mg/k	g	3
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	GMF	•	6
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	1000 mg/k		3
03.0	Edible ices, including sherbet and sorbet	GMF		6
03.0	Edible ices, including sherbet and sorbet	1000 mg/k	g	3
04.1.1.2	Surface-treated fresh fruit	GMF	Note 16	6
04.1.2.3	Fruit in vinegar, oil, or brine	GMF		6
04.1.2.3	Fruit in vinegar, oil, or brine	1000 mg/k	g	3
04.1.2.4	Canned or bottled (pasteurized) fruit	GMF		6
04.1.2.4	Canned or bottled (pasteurized) fruit	1000 mg/k	g	3
04.1.2.5	Jams, jellies, marmelades	GMF	)	6
04.1.2.5	Jams, jellies, marmelades	1000 mg/k	g	3
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/k		6
04.1.2.7	Candied fruit	GMF		6
04.1.2.7	Candied fruit	1000 mg/k		3
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	4 mg/k		6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	GMF	•	6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	1000 mg/k	g	3

04.1.2.11 04.2.1.2 04.2.2.2 04.2.2.3 04.2.2.3 04.2.2.4 04.2.2.5 04.2.2.5	Fermented fruit products  Fruit fillings for pastries  Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds  Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds  Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce  Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce  Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds  Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)  Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)  Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	200 1320 200	mg/kg mg/kg GMP  mg/kg  GMP  mg/kg  mg/kg	Note 16	3 6 6 3 3 3
04.2.1.2 04.2.2.2 04.2.2.3 04.2.2.3 04.2.2.4 04.2.2.5 04.2.2.5 04.2.2.6	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter) Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter) Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	200 1320 200	GMP mg/kg GMP mg/kg mg/kg	Note 16	6 3 6 3 3
04.2.2.2 04.2.2.3 04.2.2.3 04.2.2.4 04.2.2.5 04.2.2.5 04.2.2.5	fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter) Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter) Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter) Vegetable (including mushrooms and fungi, roots and	1320 200	mg/kg GMP mg/kg mg/kg GMP	Note 16	3 6 3 3
04.2.2.3 04.2.2.3 04.2.2.4 04.2.2.5 04.2.2.5 04.2.2.6	and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds  Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce  Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce  Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds  Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)  Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)  Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	1320 200	GMP mg/kg mg/kg		6 3 3
04.2.2.3 04.2.2.4 04.2.2.5 04.2.2.5 04.2.2.6	tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce  Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce  Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds  Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)  Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)  Vegetable (including mushrooms and fungi, roots and	200	mg/kg mg/kg GMP		3 3 6
04.2.2.4 04.2.2.5 04.2.2.5	tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce  Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds  Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)  Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)  Vegetable (including mushrooms and fungi, roots and vegetable (including mushrooms and fungi, roots and	200	mg/kg		3
04.2.2.5 04.2.2.5 04.2.2.6	(including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds  Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)  Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)  Vegetable (including mushrooms and fungi, roots and		GMP		6
04.2.2.5 04.2.2.6	tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)  Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)  Vegetable (including mushrooms and fungi, roots and	1000			
04.2.2.6	tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)  Vegetable (including mushrooms and fungi, roots and	1000	mg/kg		•
04.2.2.6	Vegetable (including mushrooms and fungi, roots and				3
1	tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5		GMP		6
1	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	1000	mg/kg		3
!	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10		GMP		6
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	1000	mg/kg		3
	Cocoa-based spreads, including fillings		GMP		6
)5.1.3	Cocoa-based spreads, including fillings	1000	mg/kg		3
5.1.4	Cocoa and chocolate products	500	mg/kg		6
5.1.4	Cocoa and chocolate products	1000	mg/kg		3
5.1.5	Imitation chocolate, chocolate substitute products	500	mg/kg		6
)5.1.5	Imitation chocolate, chocolate substitute products	1000	mg/kg		3
	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4		mg/kg		6
	Chewing gum	500	mg/kg		6
	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces		GMP		6
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces		mg/kg		3
06.3	Breakfast cereals, including rolled oats	400	mg/kg		6

Function:	Colour
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Function: Co	olour					
Food Cat. No.	Food Category	Max L	evel	Comments	Step	Year
06.4.2	Dried pastas and noodles and like products	1000	mg/kg		3	
06.4.3	Pre-cooked pastas and noodles and like products		GMP		6	
06.4.3	Pre-cooked pastas and noodles and like products	1000	mg/kg		3	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)		GMP		6	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	1000	mg/kg		3	
06.6	Batters (e.g., for breading or batters for fish or poultry)	1000	mg/kg		3	
07.1.2	Crackers, excluding sweet crackers	1000	mg/kg		3	
07.1.4	Bread-type products, including bread stuffing and bread crumbs	1000	mg/kg		3	
07.2	Fine bakery wares (sweet, salty, savoury) and mixes		GMP		6	
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	1000	mg/kg		3	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts		GMP	Note 16	6	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	5000	mg/kg	Note 16	3	
08.1.2	Fresh meat, poultry, and game, comminuted	20	mg/kg	Note 117	6	
08.2	Processed meat, poultry, and game products in whole pieces or cuts		GMP	Note 16	6	
08.2	Processed meat, poultry, and game products in whole pieces or cuts	5000	mg/kg	Note 16	3	
08.3.1	Non-heat treated processed comminuted meat, poultry, and game products		mg/kg	Note 118	6	
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	20	mg/kg		6	
08.3.3	Frozen processed comminuted meat, poultry, and game products		GMP	Note 16	6	
08.3.3	Frozen processed comminuted meat, poultry, and game products	5000	mg/kg	Note 16	3	
08.4	Edible casings (e.g., sausage casings)	F000	GMP		6	
08.4	Edible casings (e.g., sausage casings)	5000	mg/kg	Nata 50	3	
09.1.1	Fresh fish		GMP	Note 50	6	
09.1.2	Fresh mollusks, crustaceans, and echinoderms		GMP	Note 16	6	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 95	6	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	4000	GMP	Note 16	6	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	1000	mg/kg	Note 16	3	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms  Frozen minced and creamed fish products, including	1000	GMP mg/kg	Note 16	6	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms  Cooked fish and fish products	1000	mg/kg GMP	Note 16	3	
	·	1000				
09.2.4.1	Cooked mollusks, crustaceans, and echinoderms	1000	mg/kg GMP		3	
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	1000			6	
09.2.4.2 09.2.4.3	Cooked mollusks, crustaceans, and echinoderms  Fried fish and fish products, including mollusks,	1000	mg/kg GMP	Note 16	3	
	crustaceans, and echinoderms		CIVIL	INOLE TO	U	
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	1000	mg/kg	Note 16	3	

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Food Cat. No.	Food Category	Max L	_evel	Comments	Step Year
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 22	6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	1000	mg/kg		3
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly		GMP	Note 16	6
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	1000	mg/kg	Note 16	3
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine		GMP	Note 16	6
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	1000	mg/kg	Note 16	3
09.3.3	Salmon substitutes, caviar, and other fish roe products		GMP		6
09.3.3	Salmon substitutes, caviar, and other fish roe products	1000	mg/kg		3
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3		GMP	Note 16	6
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3	1000	mg/kg	Note 16	3
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500	mg/kg		6
10.1	Fresh eggs		GMP	Notes 3 & 4	6
10.1	Fresh eggs	1000	mg/kg	Notes 3 & 4	3
10.2	Egg products	1000	mg/kg		3
10.4	Egg-based desserts (e.g., custard)	150	mg/kg		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	50	mg/kg		3
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	500	mg/kg		3
12.4	Mustards		GMP		6
12.4	Mustards	1000	mg/kg		3
12.5	Soups and broths		GMP		6
12.5	Soups and broths	1000	mg/kg		3
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)		GMP		6
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	2000	mg/kg		3
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)		GMP		6
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	2000	mg/kg		3
12.6.3	Mixes for sauces and gravies		GMP		6
12.6.3	Mixes for sauces and gravies	2000	mg/kg		3
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3		GMP		6
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	1000	mg/kg		3
12.9.5	Other protein products		GMP		6
12.9.5	Other protein products	1000	mg/kg		3
12.10.3	Fermented soybean paste (e.g., miso)		GMP		6

Function:	Colour
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Food Cat. No.	Food Category	Max L	evel	Comments	Step	Year
13.1.3	Formulae for special medical purposes for infants	30	mg/kg	Note 84	3	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)		GMP		6	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	600	mg/kg		3	
13.4	Dietetic formulae for slimming purposes and weight reduction		GMP		6	
13.4	Dietetic formulae for slimming purposes and weight reduction	600	mg/kg		3	
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6		GMP		6	
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	600	mg/kg		3	
13.6	Food supplements		GMP		6	
13.6	Food supplements	600	mg/kg		3	
14.1.2.2	Vegetable juice	2000	mg/kg		3	
14.1.2.4	Concentrates for vegetable juice	2000	mg/kg		3	
14.1.3.2	Vegetable nectar		GMP		6	
14.1.3.2	Vegetable nectar	2000	mg/kg		3	
14.1.3.4	Concentrates for vegetable nectar		GMP		6	
14.1.3.4	Concentrates for vegetable nectar	1000	mg/kg		3	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	2000	mg/kg		6	
14.2.1	Beer and malt beverages	600	mg/kg		3	
14.2.2	Cider and perry		GMP		6	
14.2.2	Cider and perry	600	mg/kg		3	
14.2.3.1	Still grape wine	600	mg/kg		3	
14.2.3.2	Sparkling and semi-sparkling grape wines		GMP		6	
14.2.3.2	Sparkling and semi-sparkling grape wines	1000	mg/kg		3	
14.2.3.3	Fortified grape wine, grape liquor wine, and sweet grape wine	600	mg/kg		3	
14.2.4	Wines (other than grape)		GMP		6	
14.2.4	Wines (other than grape)	600	mg/kg		3	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol		GMP		6	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	600	mg/kg		3	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)		GMP		6	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	600	mg/kg		3	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	25	mg/kg		6	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	400	mg/kg		3	
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)		GMP		6	
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	20000			3	
16.0	Composite foods - foods that could not be placed in categories 01 - 15		GMP		6	

Function: C	olour			
Food Cat. No.	Food Category	Max Level	Comments Step	Year
16.0	Composite foods - foods that could not be place categories 01 - 15	ced in 1000 mg/kg	3	
CAROTE	NOIDS			
Poto Caratan	o (Synthotic) INS: 160ai	Rota Carotono (Blakocloa tri	opera) INC: 16	Oaii

CAROTENOIDS  Beta-Carotene (Synthetic)		INS: 160ai	INS: 160ai Beta-Carotene (Blake			enora)	INS: 160aii		
	Beta-Apo-8'-Carotenal INS: 160e Beta-Apo-8'-Carotenoic Acid, Me				•				
	Ethyl Ester								
Function: C	colour								
Food Cat. No.	Food Category		-	Max L	evel	Comments	Step	Year	
01.1.2	Dairy-based drinks, flavo chocolate milk, cocoa, eg based drinks)		, J.	150	mg/kg		6		
01.3.2	Beverage whiteners				GMP		6		
01.3.2	Beverage whiteners			1000	mg/kg		3		
01.4	Cream (plain) and the like	е			GMP		6		
01.4	Cream (plain) and the like	е		1000	mg/kg		3		
01.5.2	Milk and cream powder a	nalogues			GMP		6		
01.5.2	Milk and cream powder a	nalogues		1000	mg/kg		3		
01.6.1	Unripened cheese			35	mg/kg		6		
01.6.2.1	Ripened cheese, include	s rind		600	mg/kg		6		
01.6.2.2	Rind of ripened cheese				GMP		6		
01.6.2.2	Rind of ripened cheese			1000	mg/kg		3		
01.6.2.3	Cheese powder (for reco	nstitution; e.g., for che	ese sauces)		GMP		6		
01.6.2.3	Cheese powder (for reco	nstitution; e.g., for che	ese sauces)	1000	mg/kg		3		
01.6.3	Whey cheese				GMP	Note 3	6		
01.6.4.1	Plain processed cheese			600	mg/kg		6		
01.6.4.2	Flavoured processed che vegetables, meat, etc.	eese, including contain	ing fruit,	200	mg/kg		6		
01.6.5	Cheese analogues				GMP	Note 3	6		
01.6.5	Cheese analogues			1000	mg/kg		3		
01.6.6	Whey protein cheese				GMP		6		
01.6.6	Whey protein cheese			1000	mg/kg		3		
01.7	Dairy-based desserts (e. yoghurt)		roured	200	mg/kg		6		
02.1	Fats and oils essentially	free from water		1000	mg/kg		6		
02.2.1.1	Butter and concentrated	butter		100	mg/kg		6		
02.2.1.2	Margarine and similar pro	oducts		1000	mg/kg		6		
02.2.2	Emulsions containing les	s than 80% fat		1000	mg/kg		6		
02.3	Fat emulsions maily of ty and/or flavoured products	s based on fat emulsio	ns	1000	mg/kg		6		
02.4	Fat-based desserts exclusion of food category 01.7	ıding dairy-based dess	ert products	150	mg/kg		6		
03.0	Edible ices, including she	erbet and sorbet		200	mg/kg		6		

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Function: C	Colour			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
04.1.1.2	Surface-treated fresh fruit	500 mg/kg	Note 16	6
04.1.2.3	Fruit in vinegar, oil, or brine	GMP		6
04.1.2.3	Fruit in vinegar, oil, or brine	1000 mg/kg	9	3
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg	9	6
04.1.2.5	Jams, jellies, marmelades	500 mg/kg	9	6
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/kg	9	6
04.1.2.7	Candied fruit	200 mg/kg	)	6
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	500 mg/kg	9	6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	150 mg/kg		6
04.1.2.11	Fruit fillings for pastries	10 mg/kg	9	6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	500 mg/kg	y Note 16	6
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP	Note 76	6
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	1000 mg/kg	9	3
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	500 mg/kg	9	6
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	200 mg/kç	9	6
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	GMP		6
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	1000 mg/kç	9	3
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	200 mg/kç	9	6
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	1000 mg/kg		3
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	300 mg/kg	9	6
05.1.2	Cocoa mixes (syrups)	300 mg/kg	9	6
05.1.3	Cocoa-based spreads, including fillings	300 mg/kg	9	6
05.1.4	Cocoa and chocolate products	500 mg/kg	9	6
05.1.5	Imitation chocolate, chocolate substitute products	500 mg/kg	9	6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	500 mg/kg	9	6
05.3	Chewing gum	500 mg/kg	9	6
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500 mg/kg		6
06.3	Breakfast cereals, including rolled oats	200 mg/kg		6

Function: C	colour			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
06.4.3	Pre-cooked pastas and noodles and like products	1000 mg/	kg	3
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	150 mg/	kg	6
06.6	Batters (e.g., for breading or batters for fish or poultry)	500 mg/	kg	6
07.1.1	Breads and rolls	35 mg/	kg	6
07.1.2	Crackers, excluding sweet crackers	GM	P	6
07.1.2	Crackers, excluding sweet crackers	1000 mg/	kg	3
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	GM	P	6
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	1000 mg/	kg	3
07.1.4	Bread-type products, including bread stuffing and bread crumbs	GM	P Note 116	6
07.1.4	Bread-type products, including bread stuffing and bread crumbs	1000 mg/		3
07.1.5	Steamed breads and buns	GM	P	6
07.1.5	Steamed breads and buns	1000 mg/	kg	3
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	200 mg/	kg	6
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	500 mg/	kg Note 16	6
08.1.2	Fresh meat, poultry, and game, comminuted	100 mg/	kg Note 117	6
08.2	Processed meat, poultry, and game products in whole pieces or cuts	500 mg/	kg Note 16	6
08.3.1.1	Cured (including salted) non-heat treated processed comminuted meat, poultry, and game products	100 mg/	kg Note 118	6
08.3.1.2	Cured (including salted) and dried non-heat treated processed comminuted meat, poultry, and game products	20 mg/		6
08.3.1.3	Fermented non-heat treated processed comminuted meat, poultry, and game products	20 mg/	_	6
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	20 mg/		6
08.3.3	Frozen processed comminuted meat, poultry, and game products	500 mg/		6
08.4	Edible casings (e.g., sausage casings)	500 mg/	•	6
09.1.1	Fresh fish	300 mg/	· ·	6
09.1.2	Fresh mollusks, crustaceans, and echinoderms	500 mg/	J	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/		6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/		6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	500 mg/		6
09.2.4.1	Cooked fish and fish products	500 mg/	•	6
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	250 mg/	•	6
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/		6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/		6
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/		3
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	500 mg/	kg Note 16	6

14.2.7

15.1

15.1

15.2

Function: C	olour				
Food Cat. No.	Food Category	Max L	evel	Comments	Step Year
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	500	mg/kg	Note 16	6
09.3.3	Salmon substitutes, caviar, and other fish roe products	500	mg/kg		6
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3	500	mg/kg		6
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500	mg/kg		6
10.1	Fresh eggs		GMP	Notes 3 & 4	6
10.1	Fresh eggs	1000	mg/kg	Notes 3 & 4	3
10.2	Egg products		GMP		6
10.2	Egg products	1000	mg/kg		3
10.4	Egg-based desserts (e.g., custard)	150	mg/kg		6
11.1.2	Powdered sugar, powdered dextrose	35	mg/kg		6
12.2.2	Seasonings and condiments	500	mg/kg		6
12.4	Mustards	300	mg/kg		6
12.5	Soups and broths	300	mg/kg		6
12.6	Sauces and like products	500	mg/kg		6
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3		GMP		6
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	1000	mg/kg		3
12.9.5	Other protein products	100	mg/kg		6
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	50	mg/kg		6
13.4	Dietetic formulae for slimming purposes and weight reduction	50	mg/kg		6
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	300	mg/kg		6
13.6	Food supplements	300	mg/kg		6
14.1.3.2	Vegetable nectar	100	mg/kg		6
14.1.3.4	Concentrates for vegetable nectar	100	mg/kg		6
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	100	mg/kg		6
14.2.2	Cider and perry	200	mg/kg		6
14.2.3.2	Sparkling and semi-sparkling grape wines		GMP		6
14.2.3.2	Sparkling and semi-sparkling grape wines	1000	mg/kg		3
14.2.4	Wines (other than grape)	200	mg/kg		6
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	200	mg/kg		6
1/1 2 7	Aromatized alcoholic hoverages (e.g. beer wine and	200	ma/ka		6

Aromatized alcoholic beverages (e.g., beer, wine and

and tubers, pulses and legumes)

and tubers, pulses and legumes)

spirituous cooler-type beverages, low alcoholic refreshers) Snacks - potato, cereal, flour or starch based (from roots

Snacks - potato, cereal, flour or starch based (from roots

Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)

200 mg/kg

200 mg/kg

400 mg/kg

100 mg/kg

6

6

3

6

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments Step	Year
16.0	Composite foods - foods that could not be placed in categories 01 - 15	500 mg/kg	6	

### **CARRAGEENAN**

Carrageenan

Function: E	mulsifier, Filler, Stabilizer, Thickener					
Food Cat. No.	Food Category	Max L	evel	Comments	Step	Year
01.1.1.1	Milk (plain)	10000	mg/kg		6	
01.1.1.2	Buttermilk (plain)	6000	mg/kg		6	
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	5000	mg/kg		6	
01.4.1	Pasteurized cream (plain)	500	mg/kg		6	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000	mg/kg		6	
02.1	Fats and oils essentially free from water		GMP		6	
02.2.1.1	Butter and concentrated butter		GMP	Note 52	6	
04.1.1.2	Surface-treated fresh fruit		GMP		6	
04.1.1.3	Peeled or cut fresh fruit		GMP		6	
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6	
04.2.1.3	Peeled, cut or shredded fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6	
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6	
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10		GMP		3	
06.4.1	Fresh pastas and noodles and like products		GMP		3	
06.4.2	Dried pastas and noodles and like products	8330	mg/kg	Note 37	6	
08.1	Fresh meat, poultry, and game		GMP		6	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		3	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	5000	mg/kg	Note 61	6	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Notes 41 & 61	6	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms		GMP		6	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6	
10.2.1	Liquid egg products		GMP		6	
10.2.2	Frozen egg products		GMP		6	

Function: E	mulsifier, Filler, Stabilizer, Thickener			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	5000 mg/kg		6
12.1.2	Salt Substitutes	GMP		6
12.2.1	Herbs and spices	GMP	Note 51	6
13.1.1	Infant formulae	3000 mg/kg		6
13.1.2	Follow-up formulae	1000 mg/kg		6
13.1.2	Follow-up formulae	10000 mg/kg		3
13.1.3	Formulae for special medical purposes for infants	300 mg/kg		3
13.2	Complementary foods for infants and young children	GMP		6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		6
CASTOR	OIL			
Castor Oil	INS: 1503			
Function: A	anticaking Agent, Carrier Solvent, Glazing Agent, Release Agent			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
05.1	Cocoa products and chocolate products including imitations and chocolate substitutes	GMP		6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	500 mg/kg		6
05.3	Chewing gum	2100 mg/kg		6
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		6
13.6	Food supplements	GMP		6
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	500 mg/kg		6
CHLORIN	IF			
Chlorine	INS: 925			
Function: F	lour Treatment Agent			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
06.2.1	Flours	2500 mg/kg	Note 87	Adopted 2001
CHLORIA	IE DIOXIDE			
CHLORIN Chlorine Diox				
Function: F	lour Treatment Agent			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
06.2.1	Flours	2500 mg/kg	Note 87	Adopted 2001

#### **CHLOROPHYLLS**

Chlorophylls INS: 140

Function:	Colour				
Food Cat. No	Food Category	Max L	evel	Comments	Step Year
01.4.1	Pasteurized cream (plain)		GMP		6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)		GMP		6
02.1	Fats and oils essentially free from water		GMP		6
02.2.1.1	Butter and concentrated butter		GMP	Note 52	6
04.1.1.2	Surface-treated fresh fruit		GMP	Note 16	6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP	Note 16	6
06.4.2	Dried pastas and noodles and like products		GMP		6
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts		GMP	Notes 4 & 16	6
08.1.2	Fresh meat, poultry, and game, comminuted	1000	mg/kg	Note 94	6
09.1.1	Fresh fish		GMP	Note 50	6
09.1.2	Fresh mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 95	6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.4.1	Cooked fish and fish products		GMP		6
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms		GMP		6
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 22	6
10.1	Fresh eggs		GMP	Notes 3 & 4	6
13.1.3	Formulae for special medical purposes for infants	20	mg/kg	Note 84	3
13.6	Food supplements	25000	mg/kg		3
14.2.3.2	Sparkling and semi-sparkling grape wines		GMP		6
14.2.3.3	Fortified grape wine, grape liquor wine, and sweet grape wine		GMP		6

# CHLOROPHYLLS, COPPER COMPLEXES

Chlorophyllin Copper Complex, Sodium and Potassium Salts Chlorophylls, Copper Complex INS: 141i INS: 141ii

Function: Colour

Food Cat. No.	Food Category	Max Level Comments	Step Year		
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	GMP	6		
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	50 mg/kg	3		
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Function: 0	Colour			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.3.2	Beverage whiteners	GMP		6
01.4	Cream (plain) and the like	GMP		6
01.5.2	Milk and cream powder analogues	GMP		6
01.6.1	Unripened cheese	GMP		6
01.6.1	Unripened cheese	50 mg/kg		3
01.6.2.1	Ripened cheese, includes rind	15 mg/kg		6
01.6.2.1	Ripened cheese, includes rind	50 mg/kg		3
01.6.2.2	Rind of ripened cheese	GMP		6
01.6.2.2	Rind of ripened cheese	75 mg/kg		3
01.6.2.3	Cheese powder (for reconstitution; e.g., for cheese sauces)	GMP		6
01.6.2.3	Cheese powder (for reconstitution; e.g., for cheese sauces)	50 mg/kg		3
01.6.3	Whey cheese	GMP	Note 3	6
01.6.3	Whey cheese	50 mg/kg		3
01.6.4	Processed cheese	GMP		6
01.6.4	Processed cheese	50 mg/kg		3
01.6.5	Cheese analogues	GMP		6
01.6.5	Cheese analogues	50 mg/kg		3
01.6.6	Whey protein cheese	GMP		6
01.6.6	Whey protein cheese	50 mg/kg		3
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	200 mg/kg		6
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	500 mg/kg		3
02.0	Fats and oils, and fat emulsions	GMP		6
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	500 mg/kg		3
03.0	Edible ices, including sherbet and sorbet	200 mg/kg		6
03.0	Edible ices, including sherbet and sorbet	500 mg/kg		3
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	6
04.1.2.1	Frozen fruit	100 mg/kg	Note 62	6
04.1.2.2	Dried fruit	100 mg/kg	Note 62	6
04.1.2.3	Fruit in vinegar, oil, or brine	100 mg/kg	Note 62	6
04.1.2.4	Canned or bottled (pasteurized) fruit	100 mg/kg	Note 62	6
04.1.2.5	Jams, jellies, marmelades	200 mg/kg		6
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	150 mg/kg	N	6
04.1.2.7	Candied fruit	100 mg/kg	Note 62	6
04.1.2.7	Candied fruit	250 mg/kg		3
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	100 mg/kg	Note 62	6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	150 mg/kg	Note 62	6
04.1.2.10	Fermented fruit products	100 mg/kg	Note 62	6
04.1.2.11	Fruit fillings for pastries	100 mg/kg	Note 62	6

Function:	Colour
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Function: C	olour				
Food Cat. No.	Food Category	Max Leve	Comments	Step `	Year
04.1.2.12	Cooked fruit	100 mg	/kg Note 62	6	
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GM	MP Note 16	6	
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	100 mg	/kg Note 62	6	
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	100 mg	/kg Notes 62 89	& 6	
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	500 mg	/kg	6	
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	100 mg	/kg Note 62	6	
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	100 mg	/kg Note 62	6	
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	100 mg	/kg Note 62	6	
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	100 mg	/kg Note 62	6	
04.2.2.8	Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	100 mg	/kg Note 62	6	
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	GM	MΡ	6	
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	6.4 mg	/kg Note 62	3	
05.1.2	Cocoa mixes (syrups)	GM	<b>IP</b>	6	
05.1.2	Cocoa mixes (syrups)	6.4 mg	/kg Note 62	3	
05.1.3	Cocoa-based spreads, including fillings	GM	1P	6	
05.1.3	Cocoa-based spreads, including fillings	6.4 mg	/kg Note 62	3	
05.1.4	Cocoa and chocolate products	700 mg	ı/kg	6	
05.1.5	Imitation chocolate, chocolate substitute products	700 mg	ı/kg	6	
05.2.1	Hard candy	700 mg		6	
05.2.2	Soft candy	100 mg	ı/kg	6	
05.2.3	Nougats and marzipans	100 mg	ı/kg	6	
05.3	Chewing gum	700 mg	/kg	6	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GM		6	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	100 mg	/kg	3	
06.3	Breakfast cereals, including rolled oats	GM	<b>IP</b>	6	
06.3	Breakfast cereals, including rolled oats	100 mg	/kg	3	
06.4.2	Dried pastas and noodles and like products	GM	MP .	6	
06.4.3	Pre-cooked pastas and noodles and like products	GM	<b>IP</b>	6	

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Function: C	olour					
Food Cat. No.	Food Category	Max L	evel	Comments	Step Yea	ar
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	6.4	mg/kg	Note 62	6	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	75	mg/kg		3	
06.6	Batters (e.g., for breading or batters for fish or poultry)		GMP		6	
07.1.4	Bread-type products, including bread stuffing and bread crumbs		GMP	Note 116	6	
07.1.4	Bread-type products, including bread stuffing and bread crumbs	6.4	mg/kg	Note 62	3	
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	75	mg/kg		3	
07.2.1	Cakes, cookes and pies (e.g., fruit-filled or custard types)	6.4	mg/kg	Note 62	6	
07.2.2	Other fine bakery products (e.g., doughnuts, sweet rolls, scones, and muffins)		GMP		6	
07.2.3	Mixes for fine bakery wares (e.g., cakes, pancakes)		GMP		6	
08.0	Meat and meat products, including poultry and game		GMP	Note 16	6	
09.1.1	Fresh fish		GMP	Note 50	6	
09.1.2	Fresh mollusks, crustaceans, and echinoderms		GMP	Note 16	6	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 95	6	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms		mg/kg		3	
09.2.4.1	Cooked fish and fish products	30	mg/kg	Note 62	6	
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms		GMP		6	
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms		mg/kg	Note 62	6	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms		mg/kg	Note 62	6	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	200	mg/kg	Note 40	3	
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly		GMP	Note 16	6	
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	40	mg/kg		3	
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine		GMP	Note 16	6	
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	40	mg/kg		3	
09.3.3	Salmon substitutes, caviar, and other fish roe products		GMP		6	
09.3.3	Salmon substitutes, caviar, and other fish roe products	200	mg/kg		3	
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3		GMP		6	
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3		mg/kg		3	
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500	mg/kg		6	
10.1	Fresh eggs		GMP	Notes 3 & 4	6	
10.4	Egg-based desserts (e.g., custard)		GMP		6	

Function: Colour

	olour			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
10.4	Egg-based desserts (e.g., custard)	300 mg/kg	Note 2	3
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	64 mg/kg	Note 62	6
12.2.2	Seasonings and condiments	GMP		6
12.2.2	Seasonings and condiments	100 mg/kg		3
12.4	Mustards	GMP		6
12.5.1	Ready-to-eat soups and broths, including canned, bottled, and frozen	400 mg/kg		6
12.5.2	Mixes for soups and broths	30 mg/kg	Note 127	6
12.5.2	Mixes for soups and broths	100 mg/kg		3
12.6	Sauces and like products	GMP		6
12.6	Sauces and like products	100 mg/kg		3
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	GMP		6
12.9.5	Other protein products	GMP		6
13.1.3	Formulae for special medical purposes for infants	20 mg/kg	Note 84	3
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	GMP		6
13.4	Dietetic formulae for slimming purposes and weight reduction	GMP		6
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	GMP		6
13.6	Food supplements	GMP		6
14.1.3.2	Vegetable nectar	GMP		6
14.1.3.4	Concentrates for vegetable nectar	GMP		6
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	300 mg/kg		6
14.2.2	Cider and perry	GMP		6
14.2.3.2	Sparkling and semi-sparkling grape wines	GMP		6
14.2.3.3	Fortified grape wine, grape liquor wine, and sweet grape wine	GMP		6
14.2.4	Wines (other than grape)	GMP		6
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	GMP		6
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	GMP		6
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	GMP		6
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	350 mg/kg		3
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	GMP		6
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	100 mg/kg		3
16.0	Composite foods - foods that could not be placed in categories 01 - 15	GMP		6

### **CITRIC ACID**

Citric Acid INS: 330

Function: A	cidity Regulator, Antioxidant, Sequestrant			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.2.1	Fermented milks (plain)	1500 mg/kg	Note 63	6
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		6
01.4.1	Pasteurized cream (plain)	GMP		6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		6
02.1	Fats and oils essentially free from water	100 mg/kg	Note 15	6
02.2.1.1	Butter and concentrated butter	GMP	Note 52	6
04.2.1	Fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP		6
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP		6
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	GMP		3
06.4.1	Fresh pastas and noodles and like products	GMP		3
06.4.2	Dried pastas and noodles and like products	GMP		3
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	2000 mg/kg		6
08.1.2	Fresh meat, poultry, and game, comminuted	100 mg/kg	Note 15	6
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		3
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 61	3
10.2.1	Liquid egg products	GMP		6
10.2.2	Frozen egg products	GMP		6
12.1	Salt and salt substitutes	GMP		6
12.2.1	Herbs and spices	GMP	Note 51	6
13.1.1	Infant formulae	GMP		6
13.1.2	Follow-up formulae	GMP		6
13.1.3	Formulae for special medical purposes for infants	GMP		3
13.2	Complementary foods for infants and young children	25000 mg/kg		6
14.1.2.1	Fruit juice	3000 mg/kg	Note 122	7
14.1.2.2	Vegetable juice	3000 mg/kg		3
14.1.2.3	Concentrates for fruit juice	3000 mg/kg	Notes 122 & 127	7
14.1.2.4	Concentrates for vegetable juice	3000 mg/kg		3
14.1.3.1	Fruit nectar	5000 mg/kg		7
14.1.3.2	Vegetable nectar	5000 mg/kg		3

Function: Acidity Regulator, Antioxidant, Sequestrant

Food Cat. No.	Food Category	Max Level	Comments	Step Y	ear
14.1.3.3	Concentrates for fruit nectar	5000 mg/kg	Note 127	7	
14.1.3.4	Concentrates for vegetable nectar	5000 mg/kg	J	3	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		3	
14.2.3	Grape wines	700 mg/kg	1	6	
14.2.3	Grape wines	4000 mg/kg	J	3	

#### CITRIC AND FATTY ACID ESTERS OF GLYCEROL

Citric and Fatty Acid Esters of Glycerol INS: 472c

Function: A	antioxidant, Emulsifier, Sequestrant, Stabilizer, Thickener			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.1.2	Buttermilk (plain)	GMP		6
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		6
01.2.2	Renneted milk (plain)	GMP		6
01.4.1	Pasteurized cream (plain)	5000 mg/kg	9	6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000 mg/kg	9	6
02.1	Fats and oils essentially free from water	GMP		6
02.2.1.1	Butter and concentrated butter	10000 mg/kg	g Note 52	6
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP	Note 16	6
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	GMP		3
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	6
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		6
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		6
12.1.2	Salt Substitutes	GMP		6
12.2.1	Herbs and spices	GMP	Note 51	6
13.1.1	Infant formulae	9000 mg/k	9	3
13.1.2	Follow-up formulae	7500 mg/kg	g Note 2	3
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Function: /	Antioxidant, Emulsifier, Sequestrant, Stabilizer, Thickener		
Food Cat. No.	Food Category	Max Level Comr	ments Step Year
13.1.3	Formulae for special medical purposes for infants	9000 mg/kg	3
13.2	Complementary foods for infants and young children	5000 mg/kg	6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	6

# **CURCUMIN**

Curcumin INS: 100i

Function: C	olour			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	150 mg/kg	J	6
01.6.1	Unripened cheese	GMP	Note 3	6
01.6.1	Unripened cheese	500 mg/kg	Note 3	3
01.6.2	Ripened cheese	GMP		6
01.6.2	Ripened cheese	500 mg/kg	J	3
01.6.3	Whey cheese	GMP	Note 3	6
01.6.3	Whey cheese	500 mg/kg	Note 3	3
01.6.4	Processed cheese	200 mg/kg	J	6
01.6.5	Cheese analogues	GMP	Note 3	6
01.6.5	Cheese analogues	500 mg/kg	Note 3	3
01.6.6	Whey protein cheese	GMP		6
01.6.6	Whey protein cheese	500 mg/kg	J	3
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	150 mg/kg	J	6
02.1	Fats and oils essentially free from water	5 mg/kg	1	6
02.2.1.1	Butter and concentrated butter	500 mg/kg	1	6
02.2.1.2	Margarine and similar products	10 mg/kg	1	6
02.2.2	Emulsions containing less than 80% fat	5 mg/kg	J	6
02.3	Fat emulsions maily of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	500 mg/kg	J	6
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	150 mg/kg	J	6
03.0	Edible ices, including sherbet and sorbet	150 mg/kg	1	6
04.1.1.2	Surface-treated fresh fruit	500 mg/kg	Note 16	6
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg	1	6
04.1.2.5	Jams, jellies, marmelades	500 mg/kg	1	6
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/kg	J	6
04.1.2.7	Candied fruit	200 mg/kg	J	6
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	500 mg/kg	J	6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	150 mg/kg	J	6

	olour			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
04.1.2.11	Fruit fillings for pastries	150 mg/kg		6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	500 mg/kg	Note 16	6
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP		6
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	500 mg/kg		3
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	500 mg/kg		6
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	200 mg/kg		6
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	GMP		6
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	500 mg/kg		3
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	200 mg/kg		6
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	500 mg/kg		3
05.1	Cocoa products and chocolate products including imitations and chocolate substitutes	300 mg/kg		6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	300 mg/kg		6
05.3	Chewing gum	700 mg/kg		6
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500 mg/kg		6
06.3	Breakfast cereals, including rolled oats	200 mg/kg		6
06.4.2	Dried pastas and noodles and like products	500 mg/kg		6
06.4.3	Pre-cooked pastas and noodles and like products	500 mg/kg		6
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	150 mg/kg		6
06.6	Batters (e.g., for breading or batters for fish or poultry)	20 mg/kg		6
07.1.1	Breads and rolls	GMP		6
07.1.1	Breads and rolls	500 mg/kg		3
07.1.2	Crackers, excluding sweet crackers	GMP		6
07.1.2	Crackers, excluding sweet crackers	500 mg/kg		3
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	GMP		6
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	500 mg/kg	N	3
07.1.4	Bread-type products, including bread stuffing and bread crumbs	20 mg/kg	Note 116	6
07.1.5	Steamed breads and buns	GMP		6

Function: C	Colour			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
07.1.5	Steamed breads and buns	500 mg/kg		3
07.1.6	Mixes for bread and ordinary bakery wares	GMP		6
07.1.6	Mixes for bread and ordinary bakery wares	200 mg/kg		3
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	200 mg/kg		6
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	500 mg/kg	Note 16	6
08.1.2	Fresh meat, poultry, and game, comminuted	20 mg/kg	Note 117	6
08.2	Processed meat, poultry, and game products in whole pieces or cuts	500 mg/kg	Note 16	6
08.3.1	Non-heat treated processed comminuted meat, poultry, and game products	20 mg/kg	Note 118	6
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	20 mg/kg		6
08.3.3	Frozen processed comminuted meat, poultry, and game products	500 mg/kg	Note 16	6
08.4	Edible casings (e.g., sausage casings)	500 mg/kg	Note 16	6
09.1.1	Fresh fish	300 mg/kg	Note 50	6
09.1.2	Fresh mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 95	6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.4.1	Cooked fish and fish products	500 mg/kg		6
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	250 mg/kg		6
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 22	6
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	500 mg/kg	Note 16	6
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	500 mg/kg	Note 16	6
09.3.3	Salmon substitutes, caviar, and other fish roe products	500 mg/kg		6
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3	500 mg/kg		6
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg		6
10.1	Fresh eggs	GMP	Notes 3 & 4	6
10.1	Fresh eggs	500 mg/kg	Notes 3 & 4	3
10.4	Egg-based desserts (e.g., custard)	150 mg/kg		6
12.2.2	Seasonings and condiments	500 mg/kg		6
12.4	Mustards	300 mg/kg		6
12.5	Soups and broths	300 mg/kg		6
12.6	Sauces and like products	500 mg/kg		6
12.9.5	Other protein products	100 mg/kg		6
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	50 mg/kg		6

Function: 0	Colour				
Food Cat. No.	Food Category	Max Level	Comments	Step Ye	ear
13.4	Dietetic formulae for slimming purposes and weight reduction	50 mg/kg		6	
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	300 mg/kg		6	
13.6	Food supplements	300 mg/kg		6	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	100 mg/kg		6	
14.2.1	Beer and malt beverages	200 mg/kg		3	
14.2.2	Cider and perry	200 mg/kg		6	
14.2.3.1	Still grape wine	200 mg/kg		3	
14.2.3.2	Sparkling and semi-sparkling grape wines	200 mg/kg		3	
14.2.3.3	Fortified grape wine, grape liquor wine, and sweet grape wine	200 mg/kg		6	
14.2.4	Wines (other than grape)	200 mg/kg		6	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	200 mg/kg		6	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	200 mg/kg		6	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	200 mg/kg		6	
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	100 mg/kg		6	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	500 mg/kg		6	
CURDLA					
<b>CURDLA</b> Curdlan	<b>N</b> INS: 424				
Curdlan	INS: 424				
Curdlan	INS: 424 Stabilizer, Thickener	Max_Level	Comments	Step Ye	ear _
Curdlan Function: \$	INS: 424 Stabilizer, Thickener	Max_Level GMP	 Comments	Step Ye	ear _
Curdlan  Function: \$ Food Cat. No.	Stabilizer, Thickener Food Category		Comments		ear -
Curdlan  Function: \$ Food Cat. No.	INS: 424  Stabilizer, Thickener  Food Category  Fresh pastas and noodles and like products		Comments		ear _
Function: S Food Cat. No. 06.4.1	INS: 424  Stabilizer, Thickener Food Category Fresh pastas and noodles and like products  IATES id (and Sodium, Potassium, INS: 952		Comments		 ear _
Curdlan  Function: S Food Cat. No. 06.4.1  CYCLAM  Cyclamic Ac Calcium Salt	INS: 424  Stabilizer, Thickener  Food Category  Fresh pastas and noodles and like products  IATES  id (and Sodium, Potassium, INS: 952  ts		Comments		ear -
Curdlan  Function: S Food Cat. No. 06.4.1  CYCLAM  Cyclamic Ac Calcium Salt	INS: 424  Stabilizer, Thickener  Food Category  Fresh pastas and noodles and like products  IATES  id (and Sodium, Potassium, INS: 952  ts  Flavour Enhancer, Sweetener		Comments		<b>=</b>
Function: S Food Cat. No. 06.4.1  CYCLAM Cyclamic Ac Calcium Salt Function: F	INS: 424  Stabilizer, Thickener  Food Category  Fresh pastas and noodles and like products  IATES  id (and Sodium, Potassium, INS: 952  ts  Flavour Enhancer, Sweetener	GMP		3	<b>=</b>
Curdlan  Function: S Food Cat. No. 06.4.1  CYCLAM Cyclamic Ac Calcium Salt Function: F Food Cat. No.	INS: 424  Stabilizer, Thickener  Food Category  Fresh pastas and noodles and like products  IATES  id (and Sodium, Potassium, INS: 952  ts  Flavour Enhancer, Sweetener  Food Category  Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-	GMP  Max Level	Comments	3 Step Ye	<b>=</b>
Curdlan  Function: S Food Cat. No. 06.4.1  CYCLAM  Cyclamic Ac Calcium Salt  Function: F Food Cat. No. 01.1.2	INS: 424  Stabilizer, Thickener  Food Category  Fresh pastas and noodles and like products  IATES  id (and Sodium, Potassium, INS: 952  Is  Flavour Enhancer, Sweetener  Food Category  Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)  Fermented and renneted milk products (plain), excluding	GMP  Max Level  400 mg/kg	Comments Note 17	3 Step _Ye 6	<b>=</b>
Curdlan  Function: S Food Cat. No. 06.4.1  CYCLAM  Cyclamic Ac Calcium Salt  Function: F Food Cat. No. 01.1.2	INS: 424  Stabilizer, Thickener  Food Category  Fresh pastas and noodles and like products  IATES  id (and Sodium, Potassium, INS: 952  ts  Flavour Enhancer, Sweetener  Food Category  Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)  Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)  Dairy-based desserts (e.g., pudding, fruit or flavoured	GMP  Max Level  400 mg/kg  GMP	Comments Note 17 Note 17		<b>=</b>

Function:	Flavour	Enhancer,	Sweetener
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Food Cat. No.	Food Category	Max Level	Comments	Step Year
04.1.2.4	Canned or bottled (pasteurized) fruit	1000 mg/kg	Note 17	6
04.1.2.5	Jams, jellies, marmelades	1000 mg/kg	Note 17	6
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	2000 mg/kg	Note 17	6
04.1.2.7	Candied fruit	500 mg/kg	Note 17	6
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	250 mg/kg	Note 17	6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	250 mg/kg	Note 17	6
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	100 mg/kg	Note 17	6
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	250 mg/kg	Note 17	6
05.1	Cocoa products and chocolate products including imitations and chocolate substitutes	500 mg/kg	Note 17	6
05.2.1	Hard candy	2500 mg/kg	Note 17	6
05.2.2	Soft candy	500 mg/kg	Note 17	6
05.2.3	Nougats and marzipans	500 mg/kg	Note 17	6
05.3	Chewing gum	3000 mg/kg	Note 17	6
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500 mg/kg	Note 17	6
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	250 mg/kg	Note 17	6
07.2.1	Cakes, cookes and pies (e.g., fruit-filled or custard types)	1600 mg/kg	Note 17	6
07.2.2	Other fine bakery products (e.g., doughnuts, sweet rolls, scones, and muffins)	2000 mg/kg	Note 17	6
07.2.3	Mixes for fine bakery wares (e.g., cakes, pancakes)	1600 mg/kg	Note 17	6
10.4	Egg-based desserts (e.g., custard)	250 mg/kg	Note 17	6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	500 mg/kg	Note 17	6
11.6	Table-top sweeteners, including those containing high- intensity sweeteners	GMP	Note 17	6
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	500 mg/kg	Note 17	6
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	500 mg/kg	Note 17	6
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	1300 mg/kg	Note 17	6
13.4	Dietetic formulae for slimming purposes and weight reduction	1300 mg/kg	Note 17	6
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	1300 mg/kg	Note 17	6
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	16000 mg/kg	Note 17	3
13.6	Food supplements	1250 mg/kg	Note 17	6
14.1.3.1	Fruit nectar	400 mg/kg	Notes 17 & 122	7
14.1.3.3	Concentrates for fruit nectar	400 mg/kg	Notes 17, 122 & 127	7

Function: Flavour Enhancer, Sweetener

Food Cat. No.	Food Category	Max Level	Comments	Step Year
14.1.4.1	Carbonated water-based flavoured drinks	1500 mg/kg	Note 17	6
14.1.4.2	Non-carbonated water-based flavoured drinks, including punches and ades	1500 mg/kg	Note 17	6
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	250 mg/kg	Note 17	6

# **CYCLODEXTRIN, BETA-**

Cyclodextrin, Beta- INS: 459

Function: St	abilizer, Binder			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
05.3	Chewing gum	20000 mg/kg		Adopted 2001
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	500 mg/kg		Adopted 2001
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	500 mg/kg		Adopted 2004

# DEXTRINS, WHITE AND YELLOW, ROASTED STARCH

Dextrins, White and Yellow Roasted

Starch

INS: 1400

Function: B	dulking Agent, Emulsifier, Stabilizer, Thickener			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	GMP		3
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		6
02.1	Fats and oils essentially free from water	GMP		6
02.2.1.1	Butter and concentrated butter	GMP	Note 52	6
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	GMP		3
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		3
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	20000 mg/kg	Notes 3 & 53	6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 41	6
13.1.1	Infant formulae	GMP		3
13.1.2	Follow-up formulae	GMP		3
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	Note 90	6

#### DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL

Diacetyltartaric and Fatty Acid Esters of INS: 472e

Glycerol

Function:	Emulsifier,	Sequestrant,	Stabilizer

Function: E	mulsifier, Sequestrant, Stabilizer					
Food Cat. No.	Food Category	Max Le	evel	Comments	Step	Year
01.1.1.2	Buttermilk (plain)		GMP		6	
01.1.1.2	Buttermilk (plain)	5000	mg/kg		3	
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)		GMP		6	
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	5000	mg/kg		3	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation		GMP		6	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	5000	mg/kg		3	
01.2.2	Renneted milk (plain)		GMP		6	
01.2.2	Renneted milk (plain)	5000	mg/kg		3	
01.3.2	Beverage whiteners	5000	mg/kg		6	
01.4	Cream (plain) and the like	5000	mg/kg		6	
01.5.1	Milk powder and cream powder (plain)	10000	mg/kg		6	
01.5.2	Milk and cream powder analogues		GMP		6	
01.5.2	Milk and cream powder analogues	10000	mg/kg		3	
01.6.1	Unripened cheese		GMP		6	
01.6.1	Unripened cheese	10000	mg/kg		3	
01.6.2.1	Ripened cheese, includes rind		GMP		6	
01.6.2.1	Ripened cheese, includes rind	10000	mg/kg		3	
01.6.4	Processed cheese		GMP		6	
01.6.4	Processed cheese	10000	mg/kg		3	
01.6.5	Cheese analogues		GMP		6	
01.6.5	Cheese analogues	10000	mg/kg		3	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	10000	mg/kg		6	
02.1	Fats and oils essentially free from water	10000	mg/kg		6	
02.2	Fat emulsions mainly of type water-in-oil	10000	mg/kg		6	
02.3	Fat emulsions maily of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	10000	0 0		6	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	5000			6	
03.0	Edible ices, including sherbet and sorbet	1000			6	
03.0	Edible ices, including sherbet and sorbet	10000			3	
04.1.1.2	Surface-treated fresh fruit		GMP 	Note 16	6	
04.1.1.2	Surface-treated fresh fruit	10000		Note 16	3	
04.1.2.2	Dried fruit		GMP		6	
04.1.2.2	Dried fruit	10000			3	
04.1.2.3	Fruit in vinegar, oil, or brine		GMP		6	
04.1.2.3	Fruit in vinegar, oil, or brine	1000			3	
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5		GMP		6	
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	5000	mg/kg		3	

Function: E	mulsifier, Sequestrant, Stabilizer					
Food Cat. No.	Food Category	Max L	evel	Comments	Step Y	ear
04.1.2.7	Candied fruit		GMP		6	
04.1.2.7	Candied fruit	1000	mg/kg		3	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk		GMP		6	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	2500	mg/kg		3	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts		GMP		6	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	2500	mg/kg		3	
04.1.2.10	Fermented fruit products		GMP		6	
04.1.2.10	Fermented fruit products	2500	mg/kg		3	
04.1.2.12	Cooked fruit		GMP		6	
04.1.2.12	Cooked fruit	2500	mg/kg		3	
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP	Note 16	6	
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	10000	mg/kg	Note 16	3	
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6	
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	10000	mg/kg		3	
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce		GMP		6	
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	2500	mg/kg		3	
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5		GMP		6	
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	2500	mg/kg		3	
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10		GMP		6	
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	2500	mg/kg		3	
04.2.2.8	Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds		GMP		6	
04.2.2.8	Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	2500	mg/kg		3	
05.1	Cocoa products and chocolate products including imitations and chocolate substitutes	10000	mg/kg		6	

Function: En	nulsifier, Sequestrant, Stabilizer					
Food Cat. No.	Food Category	Max L	evel	Comments	Step	Year
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	10000	mg/kg		6	
05.3	Chewing gum	50000	mg/kg		6	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	10000	mg/kg		6	
06.2	Flours and starches (including soybean powder)	5000	mg/kg		6	
06.4.2	Dried pastas and noodles and like products	10000	mg/kg		6	
06.4.3	Pre-cooked pastas and noodles and like products	10000	mg/kg		6	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	5000	mg/kg		6	
06.6	Batters (e.g., for breading or batters for fish or poultry)		GMP		6	
06.6	Batters (e.g., for breading or batters for fish or poultry)		mg/kg		3	
07.0	·	10000			6	
07.0	Bakery wares	20000			3	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts		GMP	Note 16	6	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	10000	mg/kg	Note 16	3	
08.1.2	Fresh meat, poultry, and game, comminuted		GMP		6	
08.1.2	Fresh meat, poultry, and game, comminuted	10000	mg/kg		3	
08.2.1	Non-heat treated processed meat, poultry, and game products in whole pieces or cuts		GMP		6	
08.2.1	products in whole pieces or cuts	10000	0 0		3	
08.2.2	Heat-treated processed meat, poultry, and game products in whole pieces or cuts		GMP		6	
08.2.2	Heat-treated processed meat, poultry, and game products in whole pieces or cuts	10000	mg/kg		3	
08.2.3	Frozen processed meat, poultry, and game products in whole pieces or cuts		GMP	Note 16	6	
08.2.3	whole pieces or cuts	10000	mg/kg GMP	Note 16	3	
08.3.1 08.3.1	Non-heat treated processed comminuted meat, poultry, and game products  Non-heat treated processed comminuted meat, poultry, and	10000			6 3	
	game products					
08.3.2	Heat-treated processed comminuted meat, poultry, and game products		GMP		6	
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	10000	mg/kg		3	
08.3.3	Frozen processed comminuted meat, poultry, and game products		GMP	Note 16	6	
08.3.3	products	10000		Note 16	3	
08.4	Edible casings (e.g., sausage casings)		GMP		6	
08.4	Edible casings (e.g., sausage casings)	10000	0 0		3	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms		GMP 	Note 16	6	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	10000		Note 16	3	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP		6	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	10000	mg/kg		3	

Function: E	mulsifier, Sequestrant, Stabilizer				
Food Cat. No.	Food Category	Max L	.evel	Comments	Step Year
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	10000	mg/kg	Note 16	3
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	10000	mg/kg	Note 16	3
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	10000	mg/kg		3
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	10000	mg/kg		3
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	10000	mg/kg		3
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	5000	mg/kg		3
10.2.3	Dried and/or heat coagulated egg products		GMP		6
10.2.3	Dried and/or heat coagulated egg products	5000	mg/kg		3
10.4	Egg-based desserts (e.g., custard)		GMP		6
10.4	Egg-based desserts (e.g., custard)	5000	mg/kg		3
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)		GMP		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	1000	mg/kg		3
12.2.1	Herbs and spices		GMP		6
12.2.2	Seasonings and condiments	1	mg/kg		6
12.3	Vinegars		GMP		6
12.3	Vinegars	1000	mg/kg		3
12.4	Mustards	10000	mg/kg		6
12.5	Soups and broths		GMP		6
12.5	Soups and broths	5000	mg/kg		3
12.6	Sauces and like products	10000	mg/kg		6
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3		GMP		6
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	5000	mg/kg		3
12.9.5	Other protein products		GMP		6
12.9.5	Other protein products	10000	mg/kg		3
13.1.1	Infant formulae		GMP		6
13.1.1	Infant formulae	5000	mg/kg		3
13.1.2	Follow-up formulae		GMP		6

Function: E	mulsifier, Sequestrant, Stabilizer				
Food Cat. No.	Food Category	Max Lev	vel (	Comments	Step Year
13.1.2	Follow-up formulae	5000 m	ng/kg		3
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	G	SMP		6
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	5000 m	ng/kg		3
13.4	Dietetic formulae for slimming purposes and weight reduction	G	SMP .		6
13.4	Dietetic formulae for slimming purposes and weight reduction	5000 m	ng/kg		3
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	G	SMP .		6
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	5000 m	ng/kg		3
13.6	Food supplements	G	SMP		6
13.6	Food supplements	5000 m	ng/kg		3
14.1.2.2	Vegetable juice	G	BMP		6
14.1.2.2	Vegetable juice	5000 m	ng/kg		3
14.1.2.4	Concentrates for vegetable juice	G	BMP		6
14.1.2.4	Concentrates for vegetable juice	5000 m	ng/kg		3
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	5000 m	ng/kg		6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	G	SMP		6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	5000 m	ng/kg		3
14.2.2	Cider and perry	G	BMP		6
14.2.2	Cider and perry	5000 m	ng/kg		3
14.2.4	Wines (other than grape)	G	SMP		6
14.2.4	Wines (other than grape)	5000 m	ng/kg		3
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	G	SMP		6
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	5000 m	ng/kg		3
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	G	SMP		6
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	10000 m	ng/kg		3
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	G	BMP		6
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	20000 m			3
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)		SMP		6
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	10000 m	ng/kg		3

# **DIMETHYL DICARBONATE**

Dimethyl Dicarbonate

Function:	Preservative			
Food Cat. No	o. Food Category	Max Level	Comments	Step Year
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	250 mg/kg	Note 18	Adopted 1999
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	250 mg/kg	Note 18	Adopted 2004
14.2.2	Cider and perry	250 mg/kg	Note 18	Adopted 2004
14.2.3	Grape wines	200 mg/kg	Note 18	Adopted 2004
14.2.4	Wines (other than grape)	250 mg/kg	Note 18	Adopted 2004
14.2.5	Mead	200 mg/kg	Note 18	Adopted 2004
	L SODIUM SULFOSUCCINATE lium Sulfosuccinate INS: 480			
Function:	Adjuvant, Emulsifier, Humectant, Stabilizer, Thickener			
Food Cat. No	p. Food Category	Max Level	Comments	Step Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	25 mg/kg	Note 19	6
01.3.1	Condensed milk (plain)	GMP		6
01.6.1	Unripened cheese	5000 mg/kg	Note 20	6
01.6.4	Processed cheese	5000 mg/kg	Note 20	6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	15 mg/kg		6
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	4000 mg/kg		6
08.4	Edible casings (e.g., sausage casings)	200 mg/kg		6
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	5000 mg/kg	Note 20	6
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	10 mg/kg		6
14.2	Alcoholic beverages, including alcohol-free and low- alcoholic counterparts	10 mg/kg		6
DIPHEN	YL			
Diphenyl	INS: 230			
Function:	Preservative			
Food Cat. No		Max Level	Comments	Step Year
04.1.1.2	Surface-treated fresh fruit	70 mg/kg	Note 49	- <del></del> 6
04.1.1.2	Surface-freated fresh fruit	70 mg/kg	11016 49	0
DIBOTA	SSIUM GUANYLATE, 5'-			
	m Guanylate, 5'- INS: 628			
Dipotassiui				
Function:	Flavour Enhancer			
Food Cat. No		Max Level	Comments	Step Year
. Jour Cal. INC		IVIAN LEVEI	Comments	

Function: FI	avour Enhancer					
Food Cat. No.	Food Category	Max Level	Comments	Step	Year	
12.1.2	Salt Substitutes	GMP		6		
12.2.1	Herbs and spices	GMP	Note 51	6		

### **DIPOTASSIUM INOSINATE, 5'-**

Dipotassium Inosinate, 5'-

INS: 632

Function: F	Flavour Enhancer			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
12.1.2	Salt Substitutes	GMP		6
12.2.1	Herbs and spices	GMP	Note 51	6

### **DISODIUM GUANYLATE, 5'-**

Disodium Guanylate, 5'-

INS: 627

Function: F	lavour Enhancer			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	GMP		3
06.4.2	Dried pastas and noodles and like products	GMP		3
08.1	Fresh meat, poultry, and game	GMP		6
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		3
12.1.2	Salt Substitutes	GMP		6
12.2.1	Herbs and spices	GMP	Note 51	6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		3

# **DISODIUM INOSINATE, 5'-**

Disodium Inosinate, 5'-

Function: F	lavour Enhancer			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	GMP		3
06.4.2	Dried pastas and noodles and like products	GMP		3
08.1	Fresh meat, poultry, and game	GMP		6
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		3
12.1.2	Salt Substitutes	GMP		6

Function: Flavour Enhancer

Food Cat. No.	Food Category	Max Level	Comments	Step Year	r _
12.2.1	Herbs and spices	GMP	Note 51	6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		3	

### **DISODIUM RIBONUCLEOTIDES, 5'-**

Disodium Ribonucleotides, 5'-

INS: 635

Function: F	lavour Enhancer				
Food Cat. No.	Food Category	Max Level	Comments	Step Yea	ır
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	GMP		3	
06.4.2	Dried pastas and noodles and like products	GMP		3	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		3	
12.1.2	Salt Substitutes	GMP		6	
12.2.1	Herbs and spices	GMP	Note 51	6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		3	

### **DISTARCH PHOSPHATE**

Distarch Phosphate

Function: B	Bulking Agent, Emulsifier, Stabilizer, Thickener					
Food Cat. No.	Food Category	Max Le	evel	Comments	Step	Year
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	(	GMP		3	
01.4.1	Pasteurized cream (plain)	(	GMP		6	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	(	GMP		6	
02.1	Fats and oils essentially free from water	(	GMP		6	
02.2.1.1	Butter and concentrated butter	(	GMP	Note 52	6	
06.4.1	Fresh pastas and noodles and like products	200 r	mg/kg		3	
06.4.2	Dried pastas and noodles and like products	200 r	mg/kg		3	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	(	GMP	Note 41	6	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000 r	mg/kg		6	
13.1.1	Infant formulae	25000 r	mg/kg		6	
13.1.2	Follow-up formulae	25000 r	mg/kg		6	
13.1.3	Formulae for special medical purposes for infants	60000 r	mg/kg		3	
13.2	Complementary foods for infants and young children	60000 r	mg/kg		6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	10000 r	mg/kg		6	

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#### **EDTAs**

Calcium Disodium Ethylene Diamine Tetra Acetate

INS: 385

Disodium Ethylene Diamine Tetra Acetate INS: 386

Function: A	antioxidant, Preservative, Sequestrant			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
02.2.1.2	Margarine and similar products	75 mg/kg	Note 21	Adopted 2001
02.2.2	Emulsions containing less than 80% fat	100 mg/kg	Note 21	Adopted 2001
04.1.2.2	Dried fruit	265 mg/kg	Note 21	Adopted 2001
04.1.2.5	Jams, jellies, marmelades	130 mg/kg	Note 21	Adopted 2001
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	100 mg/kg	Note 21	Adopted 2001
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	650 mg/kg	Note 21	6
04.1.2.11	Fruit fillings for pastries	650 mg/kg	Note 21	Adopted 2001
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	100 mg/kg	Notes 21 & 110	6
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	800 mg/kg	Notes 21& 64	Adopted 2001
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	250 mg/kg	Note 21	Adopted 2001
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	365 mg/kg	Note 21	Adopted 2001
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	250 mg/kg	Note 21	Adopted 2001
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	80 mg/kg	Note 21	Adopted 2001
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	250 mg/kg	Note 21	Adopted 2001
04.2.2.8	Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	250 mg/kg	Note 21	Adopted 2001
05.1.3	Cocoa-based spreads, including fillings	50 mg/kg	Note 21	Adopted 2001
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	315 mg/kg	Note 21	Adopted 2001
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	35 mg/kg	Note 21	Adopted 2001
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	75 mg/kg	Note 21	Adopted 2001
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	75 mg/kg	Note 21	Adopted 2001
09.2.4.1	Cooked fish and fish products	50 mg/kg	Note 21	6
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	250 mg/kg	Note 21	Adopted 2001
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	340 mg/kg	Note 21	Adopted 2001
10.2.3	Dried and/or heat coagulated egg products	200 mg/kg	Notes 21 & 47	Adopted 2001

Function:	Antioxidant.	Preservative.	Sequestrant

Food Cat. No.	Food Category	Max Level	Comments	Step Year
11.6	Table-top sweeteners, including those containing high- intensity sweeteners	1000 mg/kg	Note 21	6
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	70 mg/kg	Note 21	Adopted 2001
12.4	Mustards	75 mg/kg	Note 21	Adopted 2001
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	100 mg/kg	Note 21	Adopted 2001
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	75 mg/kg	Note 21	Adopted 2001
12.6.3	Mixes for sauces and gravies	75 mg/kg	Note 21	6
12.6.4	Clear sauces (e.g., fish sauce)	75 mg/kg	Note 21	6
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	100 mg/kg	Note 21	Adopted 2001
13.6	Food supplements	150 mg/kg	Note 21	Adopted 2001
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	200 mg/kg	Note 21	Adopted 2001
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	35 mg/kg	Note 21	Adopted 2001
14.2.1	Beer and malt beverages	25 mg/kg	Note 21	Adopted 2004
14.2.2	Cider and perry	25 mg/kg	Note 21	6
14.2.3	Grape wines	25 mg/kg	Note 21	6
14.2.4	Wines (other than grape)	25 mg/kg	Note 21	6
14.2.5	Mead	25 mg/kg	Note 21	6
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	25 mg/kg	Note 21	6
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	25 mg/kg	Note 21	6

#### **ENZYME TREATED STARCH**

Enzyme Treated Starch INS: 1405

Function: B	sulking Agent, Emulsifier, Stabilzer,Thickener			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	GMP		3
02.1	Fats and oils essentially free from water	GMP		6
02.2.1.1	Butter and concentrated butter	GMP	Note 52	6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000 mg/kg	I	6
13.1.1	Infant formulae	GMP		3
13.1.2	Follow-up formulae	GMP		3
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	10000 mg/kg	I	6

# **ERYTHORBIC ACID**

Erythorbic Acid INS: 315 Isoascorbic Acid INS: 315

Function: A	antioxidant, Colour Rentention Agent					
Food Cat. No.	Food Category	Max Lev	/el	Comments	Step	Year
02.1	Fats and oils essentially free from water	100 m	ng/kg		6	
02.2.1.1	Butter and concentrated butter	100 m	ng/kg	Note 52	6	
04.1.1	Fresh fruit	G	SMP		6	
04.2.1.3	Peeled, cut or shredded fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	G	SMP		6	
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	G	BMP		6	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	500 m	ng/kg		6	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	G	BMP		6	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	1500 m	ng/kg		6	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	G	SMP	Note 15	6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	G	SMP		6	
14.2.3	Grape wines	G	SMP		6	
14.2.3	Grape wines	250 m	ng/kg		3	

### **ERYTHRITOL**

Erythritol INS: 968

Function: S	Sweetener			
Food Cat. No.	Food Category	Max Level C	Comments St	ep Year
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	40000 mg/kg	3	
01.4.1	Pasteurized cream (plain)	600000 mg/kg	3	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	600000 mg/kg	3	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	200000 mg/kg	3	
12.1.2	Salt Substitutes	200000 mg/kg	3	
12.2.1	Herbs and spices	200000 mg/kg	Note 51 3	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	40000 mg/kg	3	

#### **ERYTHROSINE**

Erythrosine INS: 127

Function: C	Colour		
Food Cat. No.	Food Category	Max Level Comments	Step Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	300 mg/kg	6
01.6.2.2	Rind of ripened cheese	100 mg/kg	6

Function: 0	Colour					
Food Cat. No.	Food Category	Max Le	vel	Comments	Step	Year
01.6.4.2	Flavoured processed cheese, including containing fruit, vegetables, meat, etc.	100 r	mg/kg	Notes 5 & 72	6	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	300 r	mg/kg		6	
02.1.3	Lard, tallow, fish oil, and other animal fats	(	GMP		6	
02.1.3	Lard, tallow, fish oil, and other animal fats	300 r	mg/kg		3	
02.2.1.1	Butter and concentrated butter	300 r	mg/kg		6	
02.2.1.2	Margarine and similar products	(	GMP		6	
02.2.1.2	Margarine and similar products	300 r	mg/kg		3	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	300 r			6	
03.0	Edible ices, including sherbet and sorbet	300 r	mg/kg		6	
04.1.2.4	Canned or bottled (pasteurized) fruit	300 r	mg/kg		6	
04.1.2.5	Jams, jellies, marmelades	400 r	mg/kg		6	
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	300 r	mg/kg		6	
04.1.2.7	Candied fruit	300 r	mg/kg		6	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	300 r			6	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	300 r			6	
04.1.2.11	Fruit fillings for pastries	300 r	mg/kg		6	
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	300 r	mg/kg		6	
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	300 r	mg/kg		3	
05.1.3	Cocoa-based spreads, including fillings	100 r	mg/kg		6	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	300 r	mg/kg		6	
05.3	Chewing gum	200 r	mg/kg		6	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	300 r			6	
06.3	Breakfast cereals, including rolled oats	300 r	mg/kg		6	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	300 r	0 0		6	
07.0	Bakery wares	300 r			6	
08.1	Fresh meat, poultry, and game	(	GMP	Notes 3 & 4	6	
08.1	Fresh meat, poultry, and game	30 r	mg/kg	Notes 3 & 4	3	
08.2	Processed meat, poultry, and game products in whole pieces or cuts		mg/kg		6	
08.3	Processed comminuted meat, poultry, and game products		mg/kg		6	
08.4	Edible casings (e.g., sausage casings)	(	GMP		6	
08.4	Edible casings (e.g., sausage casings)	3000 r	mg/kg		3	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	300 r			6	
09.2.4.1	Cooked fish and fish products	300 r	ng/kg		6	

Function: C	Colour			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg		6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg		6
09.3.3	Salmon substitutes, caviar, and other fish roe products	300 mg/kg		6
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg		6
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	1500 mg/kg		3
10.1	Fresh eggs	GMP	Notes 3 & 4	6
10.1	Fresh eggs	300 mg/kg	Notes 3 & 4	3
10.4	Egg-based desserts (e.g., custard)	300 mg/kg		6
11.3	Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3	300 mg/kg		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	300 mg/kg		6
11.6	Table-top sweeteners, including those containing high- intensity sweeteners	300 mg/kg		6
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	300 mg/kg		6
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	300 mg/kg		6
12.9.5	Other protein products	100 mg/kg	Note 92	6
13.6	Food supplements	300 mg/kg		6
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	300 mg/kg		6
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	300 mg/kg		6
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	GMP		6
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	300 mg/kg		6
16.0	Composite foods - foods that could not be placed in categories 01 - 15	300 mg/kg	Note 2	6

# **ETHYL MALTOL**

Ethyl Maltol INS: 637

Function: F	Flavour Enhancer, Stabilizer		
Food Cat. No.	Food Category	Max Level Comments	Step Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	200 mg/kg	6
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	200 mg/kg	6
03.0	Edible ices, including sherbet and sorbet	200 mg/kg	6
05.1.4	Cocoa and chocolate products	1000 mg/kg	6
05.1.5	Imitation chocolate, chocolate substitute products	1000 mg/kg	6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	200 mg/kg	6

Function: Flavour Enhancer, Stabilizer

Food Cat. No.	Food Category	Max Level Comments	Step Year
05.3	Chewing gum	1000 mg/kg	6
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	200 mg/kg	6
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	200 mg/kg	6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	200 mg/kg	6
14.2.2	Cider and perry	100 mg/kg	6
14.2.3	Grape wines	100 mg/kg Note 93	6
14.2.4	Wines (other than grape)	100 mg/kg	6

INS: 143

# **FAST GREEN FCF**

Fast Green FCF

Function: C	Colour		
Food Cat. No.	Food Category	Max Level Comment	s Step Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	100 mg/kg	Adopted 1999
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	100 mg/kg Note 2	Adopted 1999
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP	Adopted 1999
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	100 mg/kg	6
03.0	Edible ices, including sherbet and sorbet	100 mg/kg	Adopted 1999
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg	Adopted 1999
04.1.2.5	Jams, jellies, marmelades	400 mg/kg	Adopted 1999
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	100 mg/kg	6
04.1.2.7	Candied fruit	100 mg/kg	6
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	100 mg/kg	6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	100 mg/kg	6
04.1.2.11	Fruit fillings for pastries	100 mg/kg	6
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	300 mg/kg	Adopted 1999
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	200 mg/kg	Adopted 1999
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	300 mg/kg	3
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	100 mg/kg	6
05.3	Chewing gum	300 mg/kg	Adopted 1999
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	100 mg/kg	6
06.4.2	Dried pastas and noodles and like products	100 mg/kg	6

Colour

Function:

14.1.4.3

drinks

Function:	Colour			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
06.4.3	Pre-cooked pastas and noodles and like products	100 mg/kg		6
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	100 mg/kg		6
07.0	Bakery wares	100 mg/kg		6
07.1.1	Breads and rolls	100 mg/kg		Adopted 1999
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	100 mg/kg		Adopted 1999
08.1	Fresh meat, poultry, and game	GMP	Notes 3 & 4	Adopted 1999
08.1	Fresh meat, poultry, and game	1000 mg/kg	Notes 3 & 4	3
08.2	Processed meat, poultry, and game products in whole pieces or cuts	GMP	Notes 3 & 4	Adopted 1999
08.2	Processed meat, poultry, and game products in whole pieces or cuts	1000 mg/kg	Notes 3 & 4	3
08.4	Edible casings (e.g., sausage casings)	GMP	Notes 3 & 4	Adopted 1999
08.4	Edible casings (e.g., sausage casings)	1000 mg/kg	Notes 3 & 4	3
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg		6
09.2.4.1	Cooked fish and fish products	100 mg/kg		Adopted 1999
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg		6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg		Adopted 1999
09.3.3	Salmon substitutes, caviar, and other fish roe products	100 mg/kg		Adopted 1999
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg		6
10.1	Fresh eggs	GMP	Notes 3 & 4	Adopted 1999
10.4	Egg-based desserts (e.g., custard)	100 mg/kg		6
12.2.2	Seasonings and condiments	100 mg/kg		6
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	100 mg/kg		6
13.6	Food supplements	GMP		6
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	100 mg/kg		Adopted 1999
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	100 mg/kg		Adopted 1999
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	100 mg/kg		Adopted 1999
EEDDIA.				
_	AMMONIUM CITRATE			
Ferric Ammo	onium Citrate INS: 381			
Function:	Anticaking Agent			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
12.1.1	Salt	25 mg/kg	Note 23	Adopted 1999
14.1.1	Juli	25 mg/kg	14010 23	Adopted 1999

Concentrates (liquid or solid) for water-based flavoured

Adopted 1999

10 mg/kg Note 23

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FERROC							
Sodium Ferro	ocyanide	INS: 535	Potassium Ferrocyanide			INS: 536	
Calcium Ferro	ocyanide	INS: 538					
Function: A	nticaking Agent						
Food Cat. No.	Food Category			Max Level	Comments	Step Year	
12.1	Salt and salt substitutes			20 mg/kg	Note 24	Adopted 1999	
12.1	Salt and salt substitutes			20 mg/kg	Notes 24 & 107	6	
12.2.2	Seasonings and condime	ents		20 mg/kg	Note 24	Adopted 1999	
FERROUS	S GLUCONATE						
Ferrous Gluce	onate	INS: 579					
Function: A	cidity Regulator, Colour Re	etention Agent, Pres	ervative				
Food Cat. No.	Food Category			Max Level	Comments	Step Year	
04.2.2.3	Vegetables (including me tubers, pulses and legun in vinegar, oil, brine, or s	nes, and aloe vera) a		150 mg/kg	Notes 23 & 48	Adopted 1999	
FERROUS Ferrous Lacta	S LACTATE ate	INS: 585					
Function: A	cidity Regulator, Colour Re	etention Agent					
Food Cat. No.	Food Category			Max Level	Comments	Step Year	
04.2.2.3	Vegetables (including me tubers, pulses and legun in vinegar, oil, brine, or s	nes, and aloe vera) a		150 mg/kg	Notes 23 & 48	Adopted 1999	
FORMATI	ES						
Formic Acid		INS: 236					
Function: P	reservative						
Food Cat. No.	Food Category			Max Level	Comments	Step Year	
12.6	Sauces and like products	5		200 mg/kg	Note 25	Adopted 2001	
14.1.4	Water-based flavoured d "electrolyte" drinks and p	rinks, including "spo articulated drinks	rt," "energy," or	100 mg/kg	Note 25	Adopted 2001	
FUMARIC	ACID						
Fumaric Acid		INS: 297					
Function: A	cidity Regulator, Stabilizer						
Food Cat. No.	Food Category			Max Level	Comments	Step Year	
_ <del>_</del>	<b>_</b>			_ <del>_</del>		_ <b>_</b>	

Function: Acidity Regulator, Stabilizer

Food Cat. No.	Food Category	Max L	evel	Comments	Step	Year
01.2.1	Fermented milks (plain)		GMP		6	
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10		GMP		3	
06.4.1	Fresh pastas and noodles and like products		GMP		3	
06.4.2	Dried pastas and noodles and like products	600	mg/kg		3	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		3	
12.1.2	Salt Substitutes		GMP		3	
12.2.1	Herbs and spices		GMP	Note 51	3	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	1000	mg/kg	Note 2	6	
14.2.3	Grape wines	3000	mg/kg	Note 109	6	

# GALLATE, PROPYL

Gallate, Propyl INS: 310

Function:	Antioxidant			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.5.1	Milk powder and cream powder (plain)	200 mg/kg	Note 75	Adopted 2001
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	90 mg/kg	Note 2	Adopted 2001
02.1	Fats and oils essentially free from water	200 mg/kg	Note 15	Adopted 2004
02.2.1.2	Margarine and similar products	200 mg/kg	Note 15	Adopted 2004
02.2.1.3	Blends of butter and margarine	200 mg/kg	Note 15	Adopted 2004
02.2.2	Emulsions containing less than 80% fat	200 mg/kg	Note 15	Adopted 2004
02.3	Fat emulsions maily of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	200 mg/kg	Note 15	Adopted 2004
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	200 mg/kg	Note 15	Adopted 2004
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	90 mg/kg	Note 2	Adopted 2001
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	50 mg/kg	Note 76	Adopted 2001
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	200 mg/kg	Note 15	6
05.1	Cocoa products and chocolate products including imitations and chocolate substitutes	200 mg/kg	Note 15	Adopted 2001
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	200 mg/kg	Note 15	Adopted 2001
05.3	Chewing gum	1000 mg/kg		Adopted 2001
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	200 mg/kg	Note 15	Adopted 2001
06.1	Whole, broken, or flaked grain, including rice	100 mg/kg		Adopted 2001
06.3	Breakfast cereals, including rolled oats	200 mg/kg	Note 15	Adopted 2001
06.4.2	Dried pastas and noodles and like products	200 mg/kg		3
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Function: A	ntioxidant			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
06.4.3	Pre-cooked pastas and noodles and like products	100 mg/kg		Adopted 2001
06.4.3	Pre-cooked pastas and noodles and like products	200 mg/kg		3
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	90 mg/kg	Note 2	Adopted 2001
07.0	Bakery wares	1000 mg/kg	Notes 15 & 96	6
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	100 mg/kg	Note 15	Adopted 2001
07.2.3	Mixes for fine bakery wares (e.g., cakes, pancakes)	200 mg/kg		Adopted 2001
08.2	Processed meat, poultry, and game products in whole pieces or cuts	200 mg/kg	Note 15	Adopted 2001
08.3	Processed comminuted meat, poultry, and game products	200 mg/kg		Adopted 2001
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg	Note 111	6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg	Note 15	Adopted 2001
10.4	Egg-based desserts (e.g., custard)	90 mg/kg	Note 2	Adopted 2001
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	200 mg/kg	Note 15	Adopted 2001
12.5	Soups and broths	200 mg/kg	Note 15	6
12.5.2	Mixes for soups and broths	200 mg/kg	Note 15	Adopted 2001
12.6	Sauces and like products	200 mg/kg	Note 15	Adopted 2001
13.6	Food supplements	400 mg/kg		Adopted 2001
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	1000 mg/kg	Note 15	Adopted 2001
15.0	Ready-to-eat savouries	200 mg/kg	Note 15	Adopted 2001
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	200 mg/kg	Note 15	6
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	200 mg/kg	Note 15	6

## **GELLAN GUM**

Gellan Gum INS: 418

Function: St	abilizer, Thickener			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.1	Milk and buttermilk (plain)	GMP		6
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		6
01.4.1	Pasteurized cream (plain)	GMP		6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		6
02.1	Fats and oils essentially free from water	GMP		6
02.2.1.1	Butter and concentrated butter	GMP	Note 52	6
04.1.1.2	Surface-treated fresh fruit	GMP		6
04.1.1.3	Peeled or cut fresh fruit	GMP		6

Function:	Stabilizer,	Ihickener

Food Cat. No.	Food Category	Max L	evel	Comments	Step	Year
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6	
04.2.1.3	Peeled, cut or shredded fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6	
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6	
06.4.1	Fresh pastas and noodles and like products		GMP		3	
06.4.2	Dried pastas and noodles and like products		GMP		6	
08.1	Fresh meat, poultry, and game		GMP		6	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6	
10.2.1	Liquid egg products		GMP		6	
10.2.2	Frozen egg products		GMP		6	
11.3	Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3	500	mg/kg		6	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	500	mg/kg		6	
12.1.2	Salt Substitutes		GMP		6	
12.2.1	Herbs and spices		GMP	Note 51	6	
13.1.1	Infant formulae		GMP		6	
13.1.2	Follow-up formulae		GMP		6	
13.2	Complementary foods for infants and young children		GMP		6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa		GMP		6	
14.2.3	Grape wines		GMP		6	

## **GLUCONO DELTA-LACTONE**

Glucono Delta-Lactone INS: 575

Function: A	cidity Regulator, Raising Agent					
Food Cat. No.	Food Category	Max Leve	el	Comments	Step	Year
01.2.1	Fermented milks (plain)	GI	MP		6	
02.1	Fats and oils essentially free from water	GI	MP		6	
02.2.1.1	Butter and concentrated butter	GI	MP	Note 52	6	
06.4.1	Fresh pastas and noodles and like products	GI	MP		3	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	100 m	g/kg		3	
13.1.3	Formulae for special medical purposes for infants	5000 mg	g/kg		3	
13.2	Complementary foods for infants and young children	5000 m	g/kg		3	

# **GLUCOSE OXIDASE (ASPERGILLUS NIGER VAR.)**

Glucose Oxidase (Aspergillus niger var.) INS: 1102

Function: A	ntioxidant, Preservative, Stabilizer					
Food Cat. No.	Food Category	Max Level	Comments	Step	Year	•
06.2.1	Flours	780 mg/kg		3		
14.2.3	Grape wines	GMP		6		

# GLUTAMIC ACID, (L+)-

Glutamic acid, (L+)- INS: 620

Function: Flavour Enhancer Step Year Food Cat. No. Food Category Max Level Comments 6 12.1.2 Salt Substitutes GMP 12.2.1 Herbs and spices GMP Note 51 6

### **GLYCEROL**

Glycerol INS: 422

Function: Er	nulsifier, Humectant, Stabilizer, Thickener			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.1.2	Buttermilk (plain)	GMP		6
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		6
01.2.2	Renneted milk (plain)	GMP		6
02.2.1.1	Butter and concentrated butter	GMP	Note 52	6
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP	Note 16	6
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	GMP		3
06.4.1	Fresh pastas and noodles and like products	GMP		3
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	6
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		6
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6

Function: Emulsifier, Humectant, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step Year
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
10.2.2	Frozen egg products	GMP		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		6
12.1.2	Salt Substitutes	GMP	Note 51	6
12.2.1	Herbs and spices	GMP	Note 51	6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		6

### **GLYCEROL ESTER OF WOOD ROSIN**

Glycerol Ester of Wood Rosin

INS: 445

Function: A	djuvant, Bulking Agent, Emulsifier, Stabilizer, Thickener		
Food Cat. No.	Food Category	Max Level Comments	Step Year
04.1.1.2	Surface-treated fresh fruit	5 mg/kg	3
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	5 mg/kg	3
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	150 mg/kg	Adopted 1999
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	60 mg/kg	Adopted 1999

### **GRAPE SKIN EXTRACT**

Grape Skin Extract

INS: 163ii

Function: C	Colour					
Food Cat. No.	Food Category	Max L	evel	Comments	Step	Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)		GMP		6	
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	1500	mg/kg		3	
01.3.2	Beverage whiteners		GMP		6	
01.3.2	Beverage whiteners	1500	mg/kg		3	
01.4	Cream (plain) and the like		GMP		6	
01.4	Cream (plain) and the like	1500	mg/kg		3	
01.5.2	Milk and cream powder analogues		GMP		6	
01.5.2	Milk and cream powder analogues	1500	mg/kg		3	
01.6.1	Unripened cheese		GMP		6	
01.6.1	Unripened cheese	1000	mg/kg		3	
01.6.2.1	Ripened cheese, includes rind	125	mg/kg		6	
01.6.2.2	Rind of ripened cheese		GMP		6	

Function: 0	Colour			
Food Cat. No.	Food Category	Max Leve	Comments	Step Year
01.6.2.2	Rind of ripened cheese	1000 mg	/kg	3
01.6.3	Whey cheese	GN	IP Note 3	6
01.6.3	Whey cheese	1000 mg	/kg	3
01.6.4.2	Flavoured processed cheese, including containing fruit, vegetables, meat, etc.	GN	1P	6
01.6.4.2	Flavoured processed cheese, including containing fruit, vegetables, meat, etc.	1000 mg	/kg	3
01.6.5	Cheese analogues	GN	1P	6
01.6.5	Cheese analogues	1000 mg	/kg	3
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	100 mg		6
02.2.1.2	Margarine and similar products	1000 mg	/kg	3
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	GN	1P	6
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	1500 mg		3
03.0	Edible ices, including sherbet and sorbet	100 mg	/kg	6
03.0	Edible ices, including sherbet and sorbet	1000 mg	/kg	3
04.1.1.2	Surface-treated fresh fruit	GN	IP Note 16	6
04.1.2.3	Fruit in vinegar, oil, or brine	GN	1P	6
04.1.2.3	Fruit in vinegar, oil, or brine	1500 mg	/kg	3
04.1.2.4	Canned or bottled (pasteurized) fruit	GN	1P	6
04.1.2.4	Canned or bottled (pasteurized) fruit	1500 mg	/kg	3
04.1.2.5	Jams, jellies, marmelades	GN	1P	6
04.1.2.5	Jams, jellies, marmelades	1500 mg	/kg	3
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg	/kg	6
04.1.2.7	Candied fruit	GN	1P	6
04.1.2.7	Candied fruit	1500 mg	/kg	3
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	GN	1P	6
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	1500 mg	/kg	3
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	GN		6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	1500 mg		3
04.1.2.10	Fermented fruit products	1500 mg	•	3
04.1.2.11	Fruit fillings for pastries	GN	1P	6
04.1.2.11	Fruit fillings for pastries	1500 mg	/kg	3
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GN	1P Note 16	6
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	500 mg	/kg	6
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	GN	1P	6

Function: C	Colour					
Food Cat. No.	Food Category	Max L	.evel	Comments	Step	Year
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	1500	mg/kg		3	
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5		GMP		6	
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	1500	mg/kg		3	
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	1500	mg/kg		3	
05.1.3	Cocoa-based spreads, including fillings		GMP		6	
05.1.3	Cocoa-based spreads, including fillings	10000	mg/kg		3	
05.1.5	Imitation chocolate, chocolate substitute products	500	mg/kg		3	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4		GMP		6	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	10000	mg/kg		3	
05.3	Chewing gum	10000	mg/kg		6	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces		GMP		6	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces		mg/kg		3	
06.3	Breakfast cereals, including rolled oats	200	mg/kg		6	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	4500	GMP		6	
06.5 07.0	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	1500	mg/kg GMP		3 6	
07.0	Bakery wares	1500	_			
	Bakery wares	1500	mg/kg	Note 16	3	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	5000	GMP	Note 16	6	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts		mg/kg	Note 16	3	
08.1.2 08.2	Fresh meat, poultry, and game, comminuted	1000	mg/kg GMP	Note 94 Note 16	6	
08.2	Processed meat, poultry, and game products in whole pieces or cuts  Processed meat, poultry, and game products in whole	5000	mg/kg	Note 16	6 3	
00.2	pieces or cuts	0000	mg/kg		Ü	
08.3.1.1	Cured (including salted) non-heat treated processed comminuted meat, poultry, and game products	5000	mg/kg		3	
08.3.1.2	Cured (including salted) and dried non-heat treated processed comminuted meat, poultry, and game products	5000	GMP	Note 16	6	
08.3.1.2	Cured (including salted) and dried non-heat treated processed comminuted meat, poultry, and game products	5000	mg/kg	Note 16	3	
08.3.1.3	Fermented non-heat treated processed comminuted meat, poultry, and game products	F000	GMP	Note 16	6	
08.3.1.3	Fermented non-heat treated processed comminuted meat, poultry, and game products	5000	mg/kg	Note 16	3	
08.3.2	Heat-treated processed comminuted meat, poultry, and game products		GMP	Note 16	6	

09.4

10.1

10.1

10.4

Fresh eggs

Fresh eggs

Egg-based desserts (e.g., custard)

Food Cat. No.	Food Category	Max L	evel	Comments	Step Yea
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	5000	mg/kg	Note 16	3
08.3.3	Frozen processed comminuted meat, poultry, and game products		GMP	Note 16	6
08.3.3	Frozen processed comminuted meat, poultry, and game products	5000	mg/kg	Note 16	3
08.4	Edible casings (e.g., sausage casings)		GMP		6
08.4	Edible casings (e.g., sausage casings)	5000	mg/kg		3
09.1.1	Fresh fish		GMP	Note 50	6
09.1.2	Fresh mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 95	6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500	mg/kg		3
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.4.1	Cooked fish and fish products		GMP		6
09.2.4.1	Cooked fish and fish products	500	mg/kg		3
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms		GMP		6
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	1000	mg/kg		3
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	1000	mg/kg	Note 16	3
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 22	6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	1000	mg/kg	Note 22	3
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly		GMP	Note 16	6
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	500	mg/kg	Note 16	3
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	4500	GMP	Note 16	6
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	1500	mg/kg	Note 16	3
09.3.3	Salmon substitutes, caviar, and other fish roe products	_	GMP "		6
09.3.3	Salmon substitutes, caviar, and other fish roe products	1500	mg/kg		3
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3		GMP	Note 16	6
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3	1500	mg/kg	Note 16	3
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 95	6
N9 4	Fully preserved, including cannot or fermented fish and fish	1500	ma/ka		3

Fully preserved, including canned or fermented fish and fish

products, including mollusks, crustaceans, and echinoderms

Notes 3 & 4

Notes 3 & 4

3

6

3

6

GMP

1500 mg/kg

1500 mg/kg **GMP** 

Function: Colour

	olour				<del>_</del> . –	<del>-</del> ,
Food Cat. No.	Food Category	Max Le	evel	Comments	Step	Year
10.4	Egg-based desserts (e.g., custard)	500	mg/kg		3	
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	1500	0 0		3	
12.2.2	Seasonings and condiments GMP					
12.4	Mustards		GMP		6	
12.4	Mustards	500	mg/kg		3	
12.5	Soups and broths		GMP		6	
12.5	Soups and broths	1500	mg/kg		3	
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)		GMP		6	
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	1500	mg/kg		3	
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)		GMP		6	
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)		mg/kg		3	
12.6.3	Mixes for sauces and gravies		GMP		6	
12.6.3	Mixes for sauces and gravies	500	mg/kg		3	
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3		GMP		6	
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	1500	mg/kg		3	
12.9.5	Other protein products		GMP		6	
12.9.5	Other protein products	500	mg/kg		3	
13.1.3	Formulae for special medical purposes for infants	20	mg/kg	Note 84	3	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)		GMP		6	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	1500	mg/kg		3	
13.4	Dietetic formulae for slimming purposes and weight reduction		GMP		6	
13.4	Dietetic formulae for slimming purposes and weight reduction	1500			3	
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6		GMP "		6	
13.5 13.6	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6 Food supplements	1500	mg/kg GMP		3	
13.6	Food supplements	1500			3	
14.1.3.2	Vegetable nectar		GMP		6	
14.1.3.2	Vegetable nectar	1500			3	
14.1.3.4	Concentrates for vegetable nectar		GMP			
	· ·				6	
14.1.3.4	Concentrates for vegetable nectar	1500			3	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks		mg/kg GMP		6	
14.2.1	Beer and malt beverages				6	
14.2.1	Beer and malt beverages	1500			3	
14.2.2	Cider and perry		GMP		6	

Function:			Colour				
_	_	_	_	_	_	_	

Food Cat. No.	Food Category	Max L	evel	Comments	Step	Year
14.2.2	Cider and perry	1500	mg/kg		3	
14.2.3.2	Sparkling and semi-sparkling grape wines		GMP		6	
14.2.3.2	Sparkling and semi-sparkling grape wines	1500	mg/kg		3	
14.2.3.3	Fortified grape wine, grape liquor wine, and sweet grape wine		GMP		6	
14.2.3.3	Fortified grape wine, grape liquor wine, and sweet grape wine	1500	mg/kg		3	
14.2.4	Wines (other than grape)		GMP		6	
14.2.4	Wines (other than grape)	1500	mg/kg		3	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol		GMP		6	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	1500	mg/kg		3	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)		GMP		6	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	1500	mg/kg		3	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)		GMP		6	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	10000	mg/kg		3	
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)		GMP		6	
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	10000	mg/kg		3	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	10	mg/kg		6	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	1500	mg/kg		3	

### **GUAIAC RESIN**

Guaiac Resin INS: 314

Function: A	ntioxidant		
Food Cat. No.	Food Category	Max Level Comments	Step Year
02.1	Fats and oils essentially free from water	1000 mg/kg	Adopted 1999
02.2.1	Emulsions containing at least 80% fat	1000 mg/kg	Adopted 1999
02.2.1.1	Butter and concentrated butter	1000 mg/kg	3
02.2.1.2	Margarine and similar products	1000 mg/kg	3
05.3	Chewing gum	1500 mg/kg	Adopted 1999
12.6	Sauces and like products	600 mg/kg Note 15	Adopted 2004

# **GUANYLIC ACID, 5'-**

Guanylic Acid, 5'- INS: 626

Function: Flavour Enhancer

Food Cat. No. Food Category Max Level Comments Step Year

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Function: Flavour Enhancer

Food Cat. No.	Food Category	Max Level	Comments	Step Year
12.1.2	Salt Substitutes	GMP		6
12.2.1	Herbs and spices	GMP	Note 51	6

### **GUAR GUM**

Guar Gum INS: 412

Function: B	ulking Agent, Emulsifier, Stabilizer, Thickener			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.1	Milk and buttermilk (plain)	6000 mg/kg		6
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	GMP		3
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	5000 mg/kg		6
01.2.2	Renneted milk (plain)	GMP		6
01.4.1	Pasteurized cream (plain)	GMP		6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000 mg/kg		6
02.1	Fats and oils essentially free from water	20000 mg/kg		6
02.2.1.1	Butter and concentrated butter	GMP	Note 52	6
04.1.1.2	Surface-treated fresh fruit	GMP		6
04.1.1.3	Peeled or cut fresh fruit	GMP		6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP		6
04.2.1.3	Peeled, cut or shredded fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP		6
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	20000 mg/kg		6
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	GMP		3
06.1	Whole, broken, or flaked grain, including rice	GMP		6
06.4.1	Fresh pastas and noodles and like products	GMP		3
06.4.2	Dried pastas and noodles and like products	GMP		6
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Notes 61 & 73	6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	2000 mg/kg		6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP		6
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
10.2.1	Liquid egg products	GMP		6

Function: Bulking Agent, Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max L	evel	Comments	Step	Year
10.2.2	Frozen egg products		GMP		6	
11.1.2	Powdered sugar, powdered dextrose		GMP		6	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000	mg/kg		6	
12.1.2	Salt Substitutes		GMP		6	
12.2.1	Herbs and spices		GMP	Note 51	6	
13.1.1	Infant formulae	1000	mg/kg		6	
13.1.2	Follow-up formulae	1000	mg/kg		6	
13.1.3	Formulae for special medical purposes for infants	10000	mg/kg		3	
13.2	Complementary foods for infants and young children	20000	mg/kg		6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa		GMP		6	
14.2.3	Grape wines		GMP		6	

## **GUM ARABIC**

Gum Arabic INS: 414

Function: E	Bulking Agent, Emulsifier, Filler, Stabilizer, Thickener				
Food Cat. No.	Food Category	Max I	evel	Comments	Step Year
01.1.1.2	Buttermilk (plain)		GMP		6
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	5000	mg/kg		6
01.2.2	Renneted milk (plain)		GMP		6
01.4.1	Pasteurized cream (plain)	5000	mg/kg		6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000	mg/kg		6
02.1	Fats and oils essentially free from water	15000	mg/kg		6
02.2.1.1	Butter and concentrated butter		GMP	Note 52	6
04.1.1.2	Surface-treated fresh fruit		GMP	Note 16	6
04.2.1	Fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	83000	mg/kg	Note 79	6
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	83000	mg/kg		6
06.4.1	Fresh pastas and noodles and like products		GMP		3
06.4.2	Dried pastas and noodles and like products		GMP		6
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts		GMP	Note 16	6
08.1.2	Fresh meat, poultry, and game, comminuted		GMP		6
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6

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Function: E	Bulking Agent, Emulsifier, Filler, Stabilizer, Thickener			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish	GMP		6
10.2.1	products, including mollusks, crustaceans, and echinoderms Liquid egg products	GMP		6
10.2.2	Frozen egg products	GMP		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar	GMP		6
12.1.2	toppings) Salt Substitutes	GMP		6
12.2.1	Herbs and spices	GMP	Note 51	6
13.1.1	Infant formulae	10000 mg/kg	Note 65	6
13.1.2	Follow-up formulae	10000 mg/kg	Note 65	6
13.1.3	Formulae for special medical purposes for infants	20000 mg/kg		3
13.2	Complementary foods for infants and young children	20000 mg/kg		6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other	GMP		6
14.2.3	hot cereal and grain beverages, excluding cocoa Grape wines	300 mg/kg		6
Function: Food Cat. No.	Preservative Food Category Food Category	Max Level	Comments	Step Year
01.6.2.1	Ripened cheese, includes rind	25 mg/kg	Note 66	Adopted 2001
HYDROC Hydrochloric	HLORIC ACID Acid INS: 507			
	Acidity Regulator			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.2.1	Fermented milks (plain)	GMP		6
06.2	Flours and starches (including soybean powder)	GMP		6
13.1.3	Formulae for special medical purposes for infants	GMP		3
13.2	Complementary foods for infants and young children	GMP		6
	ENATED POLY-1-DECENE			
Hydrogenate	d Poly-1-decene INS: 907			
Function: C	Glazing Agent			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
04.1.2.2	5.44	0000		
04.1.2.2	Dried fruit	2000 mg/kg		3

Function: Glazing Agent

Food Cat. No. Food Category Max Level Comments Step Year

05.2.2 Soft candy 2000 mg/kg 3

HYDROXYBENZOATES, p-

Ethyl p-Hydroxybenzoate INS: 214 Propyl p-Hydroxybenzoate INS: 216

Methyl p-Hydroxybenzoate INS: 218

Function: P	reservative			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.6.2	Ripened cheese	500 mg/kg	Note 27	6
01.6.4	Processed cheese	300 mg/kg	Note 27	6
01.6.5	Cheese analogues	500 mg/kg	Note 27	6
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	120 mg/kg	Note 27	6
02.2.1.2	Margarine and similar products	1000 mg/kg	Note 27	6
02.2.2	Emulsions containing less than 80% fat	300 mg/kg	Note 27	6
02.3	Fat emulsions maily of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	300 mg/kg	Note 27	6
03.0	Edible ices, including sherbet and sorbet	1000 mg/kg	Note 27	6
04.1.1.2	Surface-treated fresh fruit	12 mg/kg	Note 27	6
04.1.1.3	Peeled or cut fresh fruit	12 mg/kg	Note 27	6
04.1.2.1	Frozen fruit	800 mg/kg	Note 27	6
04.1.2.2	Dried fruit	800 mg/kg	Note 27	6
04.1.2.3	Fruit in vinegar, oil, or brine	800 mg/kg	Note 27	6
04.1.2.4	Canned or bottled (pasteurized) fruit	800 mg/kg	Note 27	6
04.1.2.5	Jams, jellies, marmelades	1000 mg/kg	Note 27	6
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	1000 mg/kg	Note 27	6
04.1.2.7	Candied fruit	1000 mg/kg	Note 27	6
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	800 mg/kg	Note 27	6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	800 mg/kg	Note 27	6
04.1.2.10	Fermented fruit products	800 mg/kg	Note 27	6
04.1.2.11	Fruit fillings for pastries	800 mg/kg	Note 27	6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	12 mg/kg	Note 27	6
04.2.1.3	Peeled, cut or shredded fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	12 mg/kg	Note 27	6
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	1000 mg/kg	Note 27	6
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	300 mg/kg	Note 27	6

Function:	Preservative
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Function: P	reservative			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	1000 mg/kg	Note 27	6
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	1000 mg/kg	Note 27	6
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	300 mg/kg	Note 27	6
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	700 mg/kg	Note 27	6
05.1.3	Cocoa-based spreads, including fillings	300 mg/kg	Note 27	6
05.1.5	Imitation chocolate, chocolate substitute products	300 mg/kg	Note 27	6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	2000 mg/kg	Note 27	6
05.3	Chewing gum	1500 mg/kg	Note 27	6
05.4	Decorations (e.g., for fine bakery wares), toppings (non- fruit) and sweet sauces	300 mg/kg	Note 27	6
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	300 mg/kg	Note 27	6
08.2.1.2	Cured (including salted) and dried non-heat treated processed meat, poultry, and game products in whole pieces or cuts	GMP	Notes 3 & 27	6
08.3.1.2	Cured (including salted) and dried non-heat treated processed comminuted meat, poultry, and game products	GMP	Notes 3 & 27	6
08.4	Edible casings (e.g., sausage casings)	36 mg/kg	Note 27	6
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg	Note 27	6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	100 mg/kg	Note 27	6
11.6	Table-top sweeteners, including those containing high- intensity sweeteners	GMP	Note 27	6
11.6	Table-top sweeteners, including those containing high- intensity sweeteners	1500 mg/kg	Note 27	3
12.3	Vinegars	100 mg/kg	Note 27	6
12.4	Mustards	300 mg/kg	Note 27	6
12.5	Soups and broths	300 mg/kg	Note 27	6
12.6	Sauces and like products	1000 mg/kg	Note 27	6
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	300 mg/kg	Note 27	6
12.9.1.3	Other soybean protein products (including non-fermented soy sauce)	250 mg/kg	Note 27	6
13.6	Food supplements	2000 mg/kg	Note 27	3
14.1.2.2	Vegetable juice	1000 mg/kg	Note 27	6
14.1.2.4	Concentrates for vegetable juice	1000 mg/kg	Note 27	6
14.1.3.2	Vegetable nectar	200 mg/kg	Note 27	6
14.1.3.4	Concentrates for vegetable nectar	200 mg/kg	Note 27	6
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	1000 mg/kg	Note 27	6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	450 mg/kg	Note 27	6
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Function:	Preservative
Function:	Preservative

Food Cat. No.	Food Category	Max Level	Comments	Step Year
14.2.1	Beer and malt beverages	200 mg/kg	Note 27	6
14.2.2	Cider and perry	200 mg/kg	Note 27	6
14.2.3	Grape wines	50 mg/kg	Note 27	6
14.2.4	Wines (other than grape)	200 mg/kg	Note 27	6
14.2.5	Mead	200 mg/kg	Note 27	6
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	1000 mg/kg	Note 27	6
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	300 mg/kg	Note 27	6
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	1000 mg/kg	Note 27	3
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	300 mg/kg	Note 27	6
16.0	Composite foods - foods that could not be placed in categories 01 - 15	1000 mg/kg	Note 27	6

# **HYDROXYPROPYL CELLULOSE**

Hydroxypropyl Cellulose

Function: E	Bulking Agent, Emulsifier, Stabilizer, Thickener			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.1.2	Buttermilk (plain)	GMP		6
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		6
01.2.2	Renneted milk (plain)	GMP		6
01.4.1	Pasteurized cream (plain)	GMP		6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		6
02.2.1.1	Butter and concentrated butter	GMP	Note 52	6
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP	Note 16	6
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	6
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		6
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 41	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		6
12.1.2	Salt Substitutes	GMP		6

Function: Bulking Agent, Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step Year
12.2.1	Herbs and spices	GMP	Note 51	6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		6

#### HYDROXYPROPYL DISTARCH PHOSPHATE

Hydroxypropyl Distarch Phosphate INS: 1442

Function: B	ulking Agent, Emulsifier, Stabilizer, Thickener			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	GM	Р	3
01.4.1	Pasteurized cream (plain)	GM	Р	6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GM	Р	6
02.1	Fats and oils essentially free from water	GM	Р	6
02.2.1.1	Butter and concentrated butter	GM	P Note 52	6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GM	P Note 41	6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000 mg/	/kg	6
13.1.1	Infant formulae	GM	Р	3
13.1.2	Follow-up formulae	GM	Р	3
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	10000 mg/	/kg	6

### HYDROXYPROPYL METHYL CELLULOSE

Hydroxypropyl Methyl Cellulose INS: 464

Function: B	ulking Agent, Emulsifier, Stabilizer, Thickener			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.1.2	Buttermilk (plain)	GMP		6
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		6
01.2.2	Renneted milk (plain)	GMP		6
01.4.1	Pasteurized cream (plain)	GMP		6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		6
02.2.1.1	Butter and concentrated butter	GMP	Note 52	6
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP	Note 16	6
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	6
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		6
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6

Function: Bulking Agent, Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step Year
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 41	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		6
12.1.2	Salt Substitutes	GMP		6
12.2.1	Herbs and spices	GMP	Note 51	6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		6

### HYDROXYPROPYL STARCH

Hydroxypropyl Starch

Function: E	Bulking Agent, Emulsifier, Stabilizer, Thickener			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.1.2	Buttermilk (plain)	GMP		6
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	GMP		3
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		6
01.2.2	Renneted milk (plain)	GMP		6
01.4.1	Pasteurized cream (plain)	GMP		6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		6
02.1	Fats and oils essentially free from water	GMP		6
02.2.1.1	Butter and concentrated butter	GMP	Note 52	6
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP	Note 16	6
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	6
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		6
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 41	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6

Function:	Bulking Agent,	Emulsifier,	Stabilizer,	Thickener
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Food Cat. No.	Food Category	Max L	evel	Comments	Step	Year
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000	mg/kg		6	
12.1.2	Salt Substitutes		GMP		6	
12.2.1	Herbs and spices		GMP	Note 51	6	
13.1.1	Infant formulae	25000	mg/kg		6	
13.1.2	Follow-up formulae		GMP		3	
13.1.3	Formulae for special medical purposes for infants	60000	GMP		3	
13.2	Complementary foods for infants and young children	60000	mg/kg		6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	10000	mg/kg		6	

### **INDIGOTINE**

Indigotine

Function: 0	Colour			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	300 mg/kg		6
01.6.1	Unripened cheese	GMP	Note 3	6
01.6.1	Unripened cheese	200 mg/kg	Note 3	3
01.6.2.2	Rind of ripened cheese	100 mg/kg		6
01.6.3	Whey cheese	GMP	Note 3	6
01.6.3	Whey cheese	200 mg/kg	Note 3	3
01.6.4	Processed cheese	200 mg/kg		6
01.6.5	Cheese analogues	GMP	Note 3	6
01.6.5	Cheese analogues	200 mg/kg	Note 3	3
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	300 mg/kg		6
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		6
02.1.3	Lard, tallow, fish oil, and other animal fats	200 mg/kg		3
02.2.1.1	Butter and concentrated butter	300 mg/kg		6
02.2.1.2	Margarine and similar products	GMP		6
02.2.1.2	Margarine and similar products	200 mg/kg		3
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	300 mg/kg		6
03.0	Edible ices, including sherbet and sorbet	300 mg/kg		6
04.1.1.2	Surface-treated fresh fruit	500 mg/kg	Note 16	6
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg		6
04.1.2.5	Jams, jellies, marmelades	500 mg/kg		6
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/kg		6
04.1.2.7	Candied fruit	200 mg/kg		6

Function: 0	Colour			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	500 mg/kg		6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	300 mg/kg		6
04.1.2.11	Fruit fillings for pastries	300 mg/kg		6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	500 mg/kg	Note 16	6
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	500 mg/kg		6
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	200 mg/kg		6
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	200 mg/kg		6
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	500 mg/kg		3
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	300 mg/kg		6
05.1.2	Cocoa mixes (syrups)	300 mg/kg		6
05.1.3	Cocoa-based spreads, including fillings	300 mg/kg		6
05.1.4	Cocoa and chocolate products	450 mg/kg		6
05.1.5	Imitation chocolate, chocolate substitute products	450 mg/kg		6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	450 mg/kg		6
05.3	Chewing gum	300 mg/kg		6
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500 mg/kg		6
06.3	Breakfast cereals, including rolled oats	300 mg/kg		6
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	300 mg/kg		6
07.0	Bakery wares	300 mg/kg		6
0.80	Meat and meat products, including poultry and game	500 mg/kg	Note 16	6
09.1.1	Fresh fish	300 mg/kg	Note 50	6
09.1.2	Fresh mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 95	6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.4.1	Cooked fish and fish products	500 mg/kg		6
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	250 mg/kg		6
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 22	6

Function: Colour	ction: Colour	
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Food Cat. No.	Food Category	Max Level	Comments	Step Year
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	500 mg/kg	Note 16	6
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	500 mg/kg	Note 16	6
09.3.3	Salmon substitutes, caviar, and other fish roe products	500 mg/kg		6
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3	500 mg/kg		6
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg		6
10.1	Fresh eggs	GMP	Notes 3 & 4	6
10.1	Fresh eggs	300 mg/kg	Notes 3 & 4	3
10.4	Egg-based desserts (e.g., custard)	300 mg/kg		6
11.3	Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3	300 mg/kg		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	300 mg/kg		6
11.6	Table-top sweeteners, including those containing high- intensity sweeteners	300 mg/kg		6
12.2.1	Herbs and spices	300 mg/kg		6
12.2.2	Seasonings and condiments	500 mg/kg		6
12.4	Mustards	300 mg/kg		6
12.5	Soups and broths	300 mg/kg		6
12.6	Sauces and like products	500 mg/kg		6
12.9.5	Other protein products	100 mg/kg		6
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	50 mg/kg		6
13.4	Dietetic formulae for slimming purposes and weight reduction	50 mg/kg		6
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	300 mg/kg		6
13.6	Food supplements	300 mg/kg		6
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	300 mg/kg		6
14.2.2	Cider and perry	200 mg/kg		6
14.2.4	Wines (other than grape)	200 mg/kg		6
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	300 mg/kg		6
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	200 mg/kg		6
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	300 mg/kg		6
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	100 mg/kg		6
16.0	Composite foods - foods that could not be placed in categories 01 - 15	500 mg/kg		6

# **INOSINIC ACID, 5'-**

Inosinic Acid, 5'-

Function:	Flavour Enhancer							
Food Cat. N	o. Food Category			Max L	evel	Comments	Step	Year
12.1.2	Salt Substitutes				GMP		6	
12.2.1	Herbs and spices				GMP	Note 51	6	
	ASE (SACCHAROMYC	<b>ES CERI</b> S: 1103	EVISIAE)					
Function:	Stabilizer, Thickener							
Food Cat. N	o. Food Category			Max L	evel	Comments	Step	Year
11.3	Sugar solutions and syrups, als including treacle and molasses, category 11.1.3				GMP		3	
11.4	Other sugars and syrups (e.g., toppings)	xylose, maple	syrup, sugar		GMP		3	
IRON O	_	C. 170;	Iron Ovida	Dod			INIC: 470	o::
Iron Oxide	,	S: 172i	Iron Oxide	, Rea			INS: 172	211
Iron Oxide	, Yellow IN	S: 172iii						
Function:	Colour							
Food Cat. N	o. Food Category			Max L	evel	Comments	Step	Year
01.1.2	Dairy-based drinks, flavoured a chocolate milk, cocoa, eggnog, based drinks)				GMP		6	
01.1.2	Dairy-based drinks, flavoured a chocolate milk, cocoa, eggnog, based drinks)		, 0	20	mg/kg		3	
01.3.2	Beverage whiteners				GMP		6	
01.4	Cream (plain) and the like				GMP		6	
01.5.2	Milk and cream powder analogu	ies			GMP		6	
01.6.1	Unripened cheese				GMP		6	
01.6.2.2	Rind of ripened cheese				GMP		6	
01.6.2.2	Rind of ripened cheese			100	mg/kg		3	
01.6.3	Whey cheese				GMP	Note 3	6	
01.6.4	Processed cheese				GMP		6	
01.6.4	Processed cheese			50	mg/kg		3	
01.6.5	Cheese analogues				GMP		6	
01.7	Dairy-based desserts (e.g., pud yoghurt)	ding, fruit or fl	avoured		GMP		6	
01.7	Dairy-based desserts (e.g., pud yoghurt)	ding, fruit or fl	avoured	100	mg/kg		3	
02.2.1.2	Margarine and similar products				GMP		6	
02.4	Fat-based desserts excluding d	airv-based de	ssert products		GMP		6	
	of food category 01.7	,						

Food Cat. No	. Food Category	Max L	.evel	Comments	Step	Year
03.0	Edible ices, including sherbet and sorbet		GMP		6	
03.0	Edible ices, including sherbet and sorbet	300	mg/kg		3	
04.1.1.2	Surface-treated fresh fruit		GMP	Note 16	6	
04.1.1.2	Surface-treated fresh fruit	1000	mg/kg		3	
04.1.2.4	Canned or bottled (pasteurized) fruit		GMP		6	
04.1.2.4	Canned or bottled (pasteurized) fruit	300	mg/kg		3	
04.1.2.5	Jams, jellies, marmelades		GMP		6	
04.1.2.5	Jams, jellies, marmelades	200	mg/kg		3	
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500	mg/kg		6	
04.1.2.7	Candied fruit		GMP		6	
04.1.2.7	Candied fruit	250	mg/kg		3	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk		GMP		6	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	200	GMP		6	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	200	mg/kg		3	
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP	Note 16	6	
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	500	mg/kg		6	
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds		GMP		6	
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	75	mg/kg		3	
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5		GMP		6	
05.1.3	Cocoa-based spreads, including fillings		GMP		6	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4		GMP		6	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4		mg/kg		3	
05.3	Chewing gum	10000	mg/kg		6	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces		GMP		6	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces		mg/kg		3	
06.2	Flours and starches (including soybean powder)	300	mg/kg		3	
06.3	Breakfast cereals, including rolled oats		GMP		6	
06.3	Breakfast cereals, including rolled oats	75	mg/kg		3	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)		GMP 		6	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	75	mg/kg		3	

Function: Co	olour				
Food Cat. No.	Food Category	Max L	evel	Comments	Step Year
07.2	Fine bakery wares (sweet, salty, savoury) and mixes		GMP		6
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	100	mg/kg		3
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts		GMP	Note 16	6
08.1.2	Fresh meat, poultry, and game, comminuted	1000	mg/kg	Note 94	6
08.2	Processed meat, poultry, and game products in whole pieces or cuts		GMP	Note 16	6
08.3.1.1	Cured (including salted) non-heat treated processed comminuted meat, poultry, and game products	1000	mg/kg	Note 78	6
08.3.1.2	Cured (including salted) and dried non-heat treated processed comminuted meat, poultry, and game products		GMP	Note 16	6
08.3.1.3	Fermented non-heat treated processed comminuted meat, poultry, and game products		GMP	Note 16	6
08.3.2	Heat-treated processed comminuted meat, poultry, and game products		GMP	Note 16	6
08.3.3	Frozen processed comminuted meat, poultry, and game products		GMP	Note 16	6
08.4	Edible casings (e.g., sausage casings)	1000	mg/kg	Note 72	6
09.1.1	Fresh fish		GMP	Note 50	6
09.1.2	Fresh mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 95	6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.4.1	Cooked fish and fish products		GMP		6
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms		GMP		6
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	250	mg/kg	Note 22	6
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly		GMP	Note 16	6
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine		GMP	Note 16	6
09.3.3	Salmon substitutes, caviar, and other fish roe products		GMP		6
09.3.3	Salmon substitutes, caviar, and other fish roe products	100	mg/kg		3
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3		GMP		6
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3	50	mg/kg		3
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500	mg/kg		6
10.1	Fresh eggs		GMP	Notes 3 & 4	6
10.4	Egg-based desserts (e.g., custard)		GMP		6
12.2.2	Seasonings and condiments		GMP		6
12.2.2	Seasonings and condiments	1000	mg/kg		3
12.4	Mustards		GMP		6
12.5	Soups and broths		GMP		6

Function: 0	Colour					
Food Cat. No.	Food Category	Max L	.evel	Comments	Step	Year
12.5	Soups and broths	100	mg/kg		3	
12.6	Sauces and like products		GMP		6	
12.6	Sauces and like products	75	mg/kg		3	
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3		GMP		6	
12.9.5	Other protein products		GMP		6	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)		GMP		6	
13.4	Dietetic formulae for slimming purposes and weight reduction		GMP		6	
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6		GMP		6	
13.6	Food supplements		GMP		6	
14.1.3.2	Vegetable nectar		GMP		6	
14.1.3.4	Concentrates for vegetable nectar		GMP		6	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	100	mg/kg		6	
14.2.2	Cider and perry		GMP		6	
14.2.3.2	Sparkling and semi-sparkling grape wines		GMP		6	
14.2.4	Wines (other than grape)		GMP		6	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol		GMP		6	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)		GMP		6	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)		GMP		6	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	500	mg/kg		3	
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)		GMP		6	
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	400	mg/kg		3	
16.0	Composite foods - foods that could not be placed in categories 01 - 15		GMP		6	

### **ISOMALT**

Isomalt INS: 953

Function: Anticaking Agent, Bulking Agent, Emulsifier, Glazing Agent, Sweetener								
Food Cat. No.	Food Category	Max Level	Comments	Step Year				
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		6				
01.2.2	Renneted milk (plain)	GMP		6				
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	6				
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP	Note 16	6				

Food Cat. No.	Food Category	Max L	evel	Comments	Step Year	r _
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	50000	mg/kg		3	
06.4.2	Dried pastas and noodles and like products		GMP		6	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts		GMP	Note 16	6	
08.1.2	Fresh meat, poultry, and game, comminuted		GMP		6	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	100000	mg/kg		3	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP		6	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6	
09.2.4.1	Cooked fish and fish products		GMP		6	
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms		GMP		6	
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6	
11.3	Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3		GMP		3	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)		GMP		6	
12.1.2	Salt Substitutes		GMP		6	
12.2.1	Herbs and spices		GMP	Note 51	6	
13.1.1	Infant formulae		GMP		6	
13.1.1	Infant formulae	100000	mg/kg		3	
13.1.2	Follow-up formulae		GMP		6	
13.1.2	Follow-up formulae	100000	mg/kg		3	
13.2	Complementary foods for infants and young children		GMP		6	
13.2	Complementary foods for infants and young children	100000	mg/kg		3	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	300000	mg/kg		3	

# **ISOPROPYL CITRATES**

Isopropyl Citrates INS: 384

Function: A	ntioxidant, Preservative, Sequestrant				
Food Cat. No.	Food Category	Max Level	Comments	Step Year	
02.1.1	Butter oil, anhydrous milkfat, ghee	100 mg/kg	Note 77	Adopted 2001	
02.1.2	Vegetable oils and fats	100 mg/kg		Adopted 2001	
02.1.2	Vegetable oils and fats	200 mg/kg		6	
02.1.3	Lard, tallow, fish oil, and other animal fats	200 mg/kg		Adopted 2001	
		Page 139 of 264			

Adopted 2001

Function: A	ntioxidant, Preservative, Sequestrant		
Food Cat. No.	Food Category	Max Level Comments	Step Year
02.2.1.2	Margarine and similar products	200 mg/kg	Adopted 2001
02.2.2	Emulsions containing less than 80% fat	100 mg/kg	Adopted 2001
08.1.2	Fresh meat, poultry, and game, comminuted	200 mg/kg	Adopted 2001
08.2.1.2	Cured (including salted) and dried non-heat treated processed meat, poultry, and game products in whole pieces or cuts	200 mg/kg	Adopted 2001
08.3.1.2	Cured (including salted) and dried non-heat treated processed comminuted meat, poultry, and game products	200 mg/kg	Adopted 2001

200 mg/kg

Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks

## **KARAYA GUM**

14.1.4

Karaya Gum INS: 416

Function: E	sulking Agent, Emulsifier, Stabilizer, Thickener			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.1	Milk and buttermilk (plain)	200 mg/kg		6
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation	200 mg/kg		6
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	5000 mg/kg		6
02.1	Fats and oils essentially free from water	GMP		6
02.2.1.1	Butter and concentrated butter	GMP	Note 52	6
04.1.1.2	Surface-treated fresh fruit	GMP		6
04.1.1.3	Peeled or cut fresh fruit	GMP		6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP		6
04.2.1.3	Peeled, cut or shredded fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP		6
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP		6
06.4.1	Fresh pastas and noodles and like products	GMP		3
06.4.2	Dried pastas and noodles and like products	GMP		6
08.1	Fresh meat, poultry, and game	GMP		6
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
10.2.1	Liquid egg products	GMP		6
10.2.2	Frozen egg products	GMP		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		6
12.1.2	Salt Substitutes	GMP		6
12.2.1	Herbs and spices	GMP	Note 51	6
13.1.1	Infant formulae	GMP		6
13.1.2	Follow-up formulae	GMP		6
13.2	Complementary foods for infants and young children	GMP		6

Function: Bulking Agent, Emulsifier, Stabili	zer, Thickener
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Food Cat. No.	Food Category	Max Level	Comments	Step	Year
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		6	
14.2.3	Grape wines	GMP		6	

## **KONJAC FLOUR**

Konjac Flour INS: 425

Function: E	mulsifier, Stabilizer, Thickener				
Food Cat. No.	Food Category	Max L	evel	Comments	Step Year
01.1.1	Milk and buttermilk (plain)		GMP		6
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)		GMP		3
01.2.1.2	Fermented milks (plain), heat-treated after fermentation		GMP		6
01.4.1	Pasteurized cream (plain)		GMP		6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	2000	mg/kg		6
02.2.1.1	Butter and concentrated butter		GMP	Note 52	6
04.1.1.2	Surface-treated fresh fruit		GMP		6
04.1.1.3	Peeled or cut fresh fruit		GMP		6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6
04.2.1.3	Peeled, cut or shredded fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6
06.4.1	Fresh pastas and noodles and like products		GMP		3
06.4.2	Dried pastas and noodles and like products	10000	mg/kg		6
08.1	Fresh meat, poultry, and game		GMP		6
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		3
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
10.2.1	Liquid egg products		GMP		6
10.2.2	Frozen egg products		GMP		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)		GMP		6
12.1.2	Salt Substitutes		GMP		6
12.2.1	Herbs and spices		GMP	Note 51	6
13.1.1	Infant formulae		GMP		6
13.1.2	Follow-up formulae		GMP		6
13.2	Complementary foods for infants and young children		GMP		6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa		GMP		6
14.2.3	Grape wines		GMP		6

# LACTIC ACID (L-, D- and DI-)

Lactic Acid (L-, D- and DI-)

INS: 270

Function: Ad	cidity Regulator				
Food Cat. No.	Food Category	Max L	evel	Comments	Step Year
01.2.1	Fermented milks (plain)		GMP		6
01.4.1	Pasteurized cream (plain)		GMP		3
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)		GMP		3
02.1	Fats and oils essentially free from water		GMP		6
02.2.1.1	Butter and concentrated butter		GMP	Note 52	6
04.2.1	Fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10		GMP		3
06.4.1	Fresh pastas and noodles and like products		GMP		3
06.4.2	Dried pastas and noodles and like products		GMP		3
08.1.2	Fresh meat, poultry, and game, comminuted	6000	mg/kg		6
10.2.1	Liquid egg products		GMP		6
10.2.2	Frozen egg products		GMP		6
12.1.2	Salt Substitutes		GMP		6
12.2.1	Herbs and spices		GMP	Note 51	6
13.1.1	Infant formulae		GMP		6
13.1.2	Follow-up formulae		GMP		6
13.1.3	Formulae for special medical purposes for infants		GMP		3
13.2	Complementary foods for infants and young children	15000	mg/kg		6
14.2.3	Grape wines	1	mg/kg		6
14.2.3	Grape wines	4000	mg/lg		3

### LACTIC AND FATTY ACID ESTERS OF GLYCEROL

Lactic and Fatty Acid Esters of Glycerol INS: 472b

Function: Emulsifier, Sequestrant, Stabilizer						
Food 0	at. No. Food Category	Max Level Comments	Step Year			
01.1.1	2 Buttermilk (plain)	GMP	6			
01.2.1	Fermented milks (plain), heat-treated after fermentation	GMP	6			
01.2.2	Renneted milk (plain)	GMP	6			
01.4.1	Pasteurized cream (plain)	10000 mg/kg	6			

Function:	Emulsifier, Sequestrant, Stabilizer		
Food Cat. No	Food Category	Max Level	Comments
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	10000 mg/kg	

	muisifier, Sequestrant, Stabilizer — — — — — — — — — — — — — — — — — — —				
Food Cat. No.	_ Food Category	Max L	evel	Comments	Step Year
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	10000	mg/kg		6
02.1.1	Butter oil, anhydrous milkfat, ghee		GMP		6
02.1.2	Vegetable oils and fats		GMP		6
02.1.3	Lard, tallow, fish oil, and other animal fats	80000	mg/kg		6
02.2.1.1	Butter and concentrated butter		GMP	Note 52	6
04.1.1.2	Surface-treated fresh fruit		GMP	Note 16	6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP	Note 16	6
06.1	Whole, broken, or flaked grain, including rice		GMP		6
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts		GMP	Note 16	6
08.1.2	Fresh meat, poultry, and game, comminuted		GMP		6
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)		GMP		6
12.1	Salt and salt substitutes	5000	mg/kg		6
12.2.1	Herbs and spices	5000	mg/kg	Note 51	6
13.1.3	Formulae for special medical purposes for infants	5000	mg/kg		3
13.2	Complementary foods for infants and young children	5000	mg/kg		6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa		GMP		6

#### **LACTITOL**

Lactitol INS: 966

Food Cat. No	o. Food Category	Max Level Commen	ts Step Year
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	30000 mg/kg	3
01.4.1	Pasteurized cream (plain)	30000 mg/kg	3
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	30000 mg/kg	3
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	10000 mg/kg	3
06.4.2	Dried pastas and noodles and like products	GMP	6

Function:	Bulking Agent,	Emulsifier,	Stabilizer,	Sweetener,	Thickener
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Food Cat. No.	Food Category	Max L	evel	Comments	Step	Year
08.1	Fresh meat, poultry, and game		GMP		3	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		3	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	20000	mg/kg		3	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP		6	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)		GMP		3	
12.1.2	Salt Substitutes		GMP		3	
12.2.1	Herbs and spices		GMP	Note 51	3	
13.1.1	Infant formulae		GMP		6	
13.1.2	Follow-up formulae		GMP		6	
13.2	Complementary foods for infants and young children		GMP		6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	30000	mg/kg		3	

## **LECITHIN**

Lecithin INS: 322

Function: A	Antioxidant, Emulsifier, Stabilizer						
Food Cat. No.	Food Category	Max L	evel	Comments	Step	Year	
01.1.1.2	Buttermilk (plain)		GMP		6		
01.2.1.2	Fermented milks (plain), heat-treated after fermentation		GMP		6		
01.2.2	Renneted milk (plain)		GMP		6		
01.4.1	Pasteurized cream (plain)	5000	mg/kg		6		
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000	mg/kg		6		
02.1	Fats and oils essentially free from water	30000	mg/kg		6		
02.2.1.1	Butter and concentrated butter	20000	mg/kg	Note 52	6		
04.1.1.2	Surface-treated fresh fruit		GMP	Note 16	6		
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP	Note 16	6		
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6		
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10		GMP		3		
06.2	Flours and starches (including soybean powder)	5000	mg/kg		6		
06.4.1	Fresh pastas and noodles and like products		GMP		3		
06.4.2	Dried pastas and noodles and like products	5000	mg/kg		6		
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts		GMP	Note 16	6		
08.1.2	Fresh meat, poultry, and game, comminuted		GMP		6		

Function:	Antioxidant, Emulsifier, Stabilizer	
Food Cat. N	. Food Category	

Food Cat. No.	Food Category	Max L	evel	Comments	Step Year
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 41	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
10.2.1	Liquid egg products		GMP		6
10.2.2	Frozen egg products		GMP		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)		GMP		6
12.1	Salt and salt substitutes		GMP		6
12.2.1	Herbs and spices		GMP	Note 51	6
13.1.1	Infant formulae	5000	mg/kg		6
13.1.2	Follow-up formulae	5000	mg/kg		6
13.1.3	Formulae for special medical purposes for infants	15000	mg/kg		6
13.2	Complementary foods for infants and young children	15000	mg/kg		6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa		GMP		6

### LYSOZYME HYDROCHLORIDE

Lysozyme Hydrochloride INS: 1105

reservative				
Food Category	Max Level	Comments	Step	Year
Ripened cheese	GMP		Adopte	ed 1999
Cider and perry	500 mg/kg		Adopte	ed 2004
Grape wines	500 mg/kg		Adopte	ed 2004
	Food Category  Ripened cheese Cider and perry	Food Category Max Level Ripened cheese GMP Cider and perry 500 mg/kg	Food Category Max Level Comments  Ripened cheese GMP  Cider and perry 500 mg/kg	Food Category Max Level Comments Step  Ripened cheese GMP Adopte Cider and perry 500 mg/kg Adopte

## **MAGNESIUM CARBONATE**

Magnesium Carbonate INS: 504i

Fι	unc	tior	۱:	Α	cid	ity F	Reg	ulat	tor,	Ant	tical	king	j Ας	gent	, Co	olou	ır R	ete	ntio	n A	ger	١t,
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Food Cat. No.		Max Level	Comments	Step	Year	
01.1.1.2	Buttermilk (plain)	GMP		6		
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		6		
01.2.2	Renneted milk (plain)	GMP		6		
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	6		

Function:	Acidity Regulator, Anticaking Agent, Colour Retention Agent,

Food Cat. No.	Food Category	Max L	.evel	Comments	Step Year
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP	Note 16	6
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	5000	mg/kg	Note 36	3
06.2.1	Flours		GMP	Note 57	6
06.2.1	Flours	1500	mg/kg		3
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts		GMP	Note 16	6
08.1.2	Fresh meat, poultry, and game, comminuted		GMP		6
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	5000	mg/kg	Note 36	3
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
11.1.2	Powdered sugar, powdered dextrose	15000	mg/kg	Note 56	6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)		GMP		6
12.1.1	Salt	20000	mg/kg		6
12.1.2	Salt Substitutes		GMP		6
12.1.2	Salt Substitutes	5000	mg/kg	Note 36	3
12.2.1	Herbs and spices		GMP	Note 51	6
12.2.1	Herbs and spices	5000	mg/kg	Notes 36 & 51	3
13.2	Complementary foods for infants and young children		GMP		6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa		GMP		6

## **MAGNESIUM CHLORIDE**

Magnesium Chloride INS: 511

Function: C	olour Retention Agent, Firming Agent			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.1.2	Buttermilk (plain)	GMP		6
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		6
01.2.2	Renneted milk (plain)	GMP		6
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	6

Function: C	Colour Retention Agent,	Firming Agent
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Food Cat. No.	Food Category	Max Level	Comments	Step Year
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP	Note 16	6
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	2260 mg/kg		6
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		6
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		6
12.1.2	Salt Substitutes	GMP		6
12.2.1	Herbs and spices	GMP	Note 51	6
13.1.1	Infant formulae	GMP		6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		6

## **MAGNESIUM GLUTAMATE, DI-L-**

Magnesium Glutamate, DI-L- INS: 625

Function: FI	lavour Enhancer				
Food Cat. No.	Food Category	Max Level	Comments	Step Year	
12.1.2	Salt Substitutes	GMP		6	
12.2.1	Herbs and spices	GMP	Note 51	6	

### **MAGNESIUM HYDROGEN CARBONATE**

Acidity Regulator, Anticaking Agent, Firming Agent

Fresh meat, poultry, and game, whole pieces or cuts

Magnesium Hydrogen Carbonate INS: 504ii

Function:

08.1.1

Food Cat. No.	Food Category	Max Level	Comments	Step Ye	ear
01.1.1.2	Buttermilk (plain)	GMP		6	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		6	
01.2.2	Renneted milk (plain)	GMP		6	
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	6	
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP	Note 16	6	
00.4.4		0110		_	

Note 16

**GMP** 

Function: Acidity Regulator, Anticaking Agent, Firming Agent

Food Cat. No.	Food Category	Max L	evel	Comments	Step Year
08.1.2	Fresh meat, poultry, and game, comminuted		GMP		6
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)		GMP		6
12.1.1	Salt	20000	mg/kg		6
12.1.2	Salt Substitutes		GMP		6
12.2.1	Herbs and spices		GMP	Note 51	6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa		GMP		6

## **MAGNESIUM HYDROXIDE**

Magnesium Hydroxide

INS: 528

Function: A	Acidity Regulator, Colour Retention Agent, Stabilizer			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.1.2	Buttermilk (plain)	GMP		6
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		6
01.2.2	Renneted milk (plain)	GMP		6
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP	Note 16	6
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	6
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		6
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		6
12.1.2	Salt Substitutes	GMP		6

Step Year

6

6

6

Max Level Comments

Note 56

Note 51

15000 mg/kg

20000 mg/kg

10000 mg/kg

Function:	Acidity Regulator, Colour	Retention Agent, Stabilizer				
Food Cat. N	o. Food Category		Max Level	Comments	Step	Year
12.2.1	Herbs and spices		GMP	Note 51	6	
14.1.5		utes, tea, herbal infusions, and other everages, excluding cocoa	GMP		6	
MAGNE	SIUM OXIDE					
Magnesiur	m Oxide	INS: 530				
Function: Food Cat. N	Anticaking Agent  o. Food Category		Max Level	Comments	Step	Year
12.1.1	Salt		20000 mg/kg		6	
13.1.1	Infant formulae		GMP		6	
13.1.1		(SVNTHETIC)				
	m Silicate (Synthetic)	INS: 553i				
Function:	Anticaking Agent					

# MALIC ACID (DL-)

11.1.2

12.1.1

12.2.1

Malic Acid (DL-) INS: 296

Powdered sugar, powdered dextrose

Food Cat. No. Food Category

Herbs and spices

Salt

Function: A	cidity Regulator, Sequestrant			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.2.1	Fermented milks (plain)	GMP		6
02.1.2	Vegetable oils and fats	100 mg/kg		6
02.1.3	Lard, tallow, fish oil, and other animal fats	100 mg/kg		6
04.2.1	Fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP		6
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP		6
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	GMP		3
06.4.2	Dried pastas and noodles and like products	GMP		3
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		3
12.1.1	Salt	GMP		6

Function: Acid	dity Regulator,	Sequestrant
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Food Cat. No.	Food Category	Max L	.evel	Comments	Step	Year
12.1.2	Salt Substitutes		GMP		3	
12.2.1	Herbs and spices		GMP	Note 51	3	
13.1.3	Formulae for special medical purposes for infants		GMP		3	
13.2	Complementary foods for infants and young children		GMP		6	
14.1.2.1	Fruit juice		GMP	Note 115	7	
14.1.2.2	Vegetable juice	3000	mg/kg		3	
14.1.2.3	Concentrates for fruit juice		GMP	Notes 115 & 127	7	
14.1.2.4	Concentrates for vegetable juice	3000	mg/kg		3	
14.1.3.1	Fruit nectar		GMP		7	
14.1.3.2	Vegetable nectar	3000	mg/kg		3	
14.1.3.3	Concentrates for fruit nectar		GMP	Note 127	7	
14.1.3.4	Concentrates for vegetable nectar	3000	mg/kg		3	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa		GMP		3	
14.2.3	Grape wines	1	mg/kg		6	
14.2.3	Grape wines	4000	mg/kg		3	

## **MALTITOL and MALTITOL SYRUP**

Maltitol and Maltitol Syrup

INS: 965

Function: B	ulking Agent, Emulsifier, Stabilizer, Sweetener, Thickener			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	50000 mg/kg		3
01.4.1	Pasteurized cream (plain)	300000 mg/kg		3
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	300000 mg/kg		3
02.2.1.1	Butter and concentrated butter	GMP	Note 52	3
04.1.1.2	Surface-treated fresh fruit	GMP		3
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP		3
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	100000 mg/kg		3
06.4.2	Dried pastas and noodles and like products	GMP		6
08.1	Fresh meat, poultry, and game	GMP		3
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		3
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		3
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP		3

Function:	Bulking Agent, Emulsifier, Stabilizer, Sweetener, Thickener	
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Food Cat. No.	Food Category	Max L	evel	Comments	Step	Year
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		3	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		3	
10.2.2	Frozen egg products		GMP		3	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)		GMP		3	
12.1.2	Salt Substitutes	50000	mg/kg		3	
12.2.1	Herbs and spices	50000	mg/kg	Note 51	3	
13.1.1	Infant formulae		GMP		6	
13.1.2	Follow-up formulae		GMP		6	
13.2	Complementary foods for infants and young children		GMP		6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	100000	mg/kg		3	

### **MALTOL**

Maltol INS: 636

Function: F	Flavour Enhancer, Stabilizer		
Food Cat. No.	Food Category	Max Level	Comments Step Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	200 mg/kg	6
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	200 mg/kg	6
03.0	Edible ices, including sherbet and sorbet	200 mg/kg	6
05.1.4	Cocoa and chocolate products	200 mg/kg	6
05.1.5	Imitation chocolate, chocolate substitute products	200 mg/kg	6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	200 mg/kg	6
05.3	Chewing gum	200 mg/kg	6
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	200 mg/kg	6
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	200 mg/kg	6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	200 mg/kg	6
14.2.2	Cider and perry	250 mg/kg	6
14.2.3	Grape wines	250 mg/kg	6
14.2.4	Wines (other than grape)	250 mg/kg	6

### **MANNITOL**

Mannitol INS: 421

Function: Anticaking Agent, Bulking Agent, Emulsifier, Stabilizer, Sweetener, Thickener

Food Cat. No. Food Category Max Level Comments Step Year

Function: Anticaking Agent, Bulking Agent, Emulsifier, Stabilizer, Sweetener, Thickener	Function:	Anticaking Agent.	Bulking Agent.	Emulsifier.	Stabilizer.	Sweetener.	Thickener
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Food Cat. No.	Food Category	Max Le	evel	Comments	Step	Year
01.2.1.2	Fermented milks (plain), heat-treated after fermentation		GMP		3	
01.2.2	Renneted milk (plain)		GMP		3	
02.2.1.1	Butter and concentrated butter		GMP	Note 52	6	
04.1.1.2	Surface-treated fresh fruit		GMP		3	
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		3	
06.4.2	Dried pastas and noodles and like products		GMP		6	
08.1	Fresh meat, poultry, and game		GMP		3	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		3	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP		6	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP		3	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms		GMP		3	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		3	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		3	
10.2.2	Frozen egg products		GMP		3	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)		GMP		3	
12.1.2	Salt Substitutes	60000	mg/kg		3	
12.2.1	Herbs and spices	60000	mg/kg	Note 51	3	
13.1.1	Infant formulae		GMP		6	
13.1.2	Follow-up formulae		GMP		6	
13.1.3	Formulae for special medical purposes for infants		GMP		3	
13.2	Complementary foods for infants and young children		GMP		6	

## **METHYL CELLULOSE**

Methyl Cellulose

INS: 461

Function: E	Bulking Agent, Emulsifier, Stabilizer, Thickener			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.1.2	Buttermilk (plain)	GMP		6
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		6
01.2.2	Renneted milk (plain)	GMP		6
01.4.1	Pasteurized cream (plain)	GMP		6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		6
02.2.1.1	Butter and concentrated butter	GMP	Note 52	6
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP	Note 16	6
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Function: Bulking Agent, Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step Year
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	6
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		6
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 61	6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 41 & 61	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		6
12.1.2	Salt Substitutes	GMP		6
12.2.1	Herbs and spices	GMP	Note 51	6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		6

## **METHYL ETHYL CELLULOSE**

Methyl Ethyl Cellulose

INS: 465

Function: B	ulking Agent, Emulsifier, Foaming Agent, Stabilizer, Thickener			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.1.2	Buttermilk (plain)	GMP		6
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		6
01.2.2	Renneted milk (plain)	GMP		6
01.4.1	Pasteurized cream (plain)	GMP		6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		6
02.2.1.1	Butter and concentrated butter	GMP	Note 52	6
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP	Note 16	6
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	6
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		6
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 41	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6

Function: Bulking Agent, Emulsifier, Foaming Agent, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step Yea	ar
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		6	
12.1.2	Salt Substitutes	GMP		6	
12.2.1	Herbs and spices	GMP	Note 51	6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		6	

# MICROCRYSTALLINE CELLULOSE

Microcrystalline Cellulose

INS: 460i

Function: A	Anticaking Agent, Bulking Agent, Emulsifier, Foaming Agent, Stab	ilizer, Thio	ckener		
Food Cat. No.	Food Category	Max L	evel	Comments	Step Year
01.1.1	Milk and buttermilk (plain)		GMP		6
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation		GMP		6
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	20000	mg/kg		6
01.2.2	Renneted milk (plain)		GMP		6
01.4.1	Pasteurized cream (plain)	5000	mg/kg		6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000	mg/kg		6
02.1	Fats and oils essentially free from water		GMP		6
02.2.1.1	Butter and concentrated butter	20000	mg/kg	Note 52	6
04.1.1.2	Surface-treated fresh fruit		GMP	Note 16	6
04.1.1.3	Peeled or cut fresh fruit		GMP		6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP	Note 16	6
04.2.1.3	Peeled, cut or shredded fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6
06.4.1	Fresh pastas and noodles and like products		GMP		3
06.4.2	Dried pastas and noodles and like products		GMP		6
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts		GMP	Note 16	6
08.1.2	Fresh meat, poultry, and game, comminuted		GMP		6
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	10000	mg/kg		6
10.2.1	Liquid egg products		GMP		6
10.2.2	Frozen egg products		GMP		6
11.1	Refined and raw sugars		GMP		3
11.2	Brown sugar excluding products of food category 11.1.3		GMP		3

Food Cat. No.	Food Category	Max Le	vel	Comments	Step	Year
11.3	Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3	(	3MP		3	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	(	3MP		6	
12.1.1	Salt	(	3MP		3	
12.1.2	Salt Substitutes	22000 r	ng/kg		6	
12.2.1	Herbs and spices	C	3MP	Note 51	6	
13.1.1	Infant formulae	C	3MP		6	
13.1.2	Follow-up formulae	C	GMP .		6	
13.2	Complementary foods for infants and young children	(	3MP		6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	(	GMP		6	

## **MICROCRYSTALLINE WAX**

Microcrystalline Wax INS: 905ci

Function: A	ntifoaming Agent, Bulking Agent, Glazing Agent			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.6.2.2	Rind of ripened cheese	30000 mg/kg		Adopted 2004
04.1.1.2	Surface-treated fresh fruit	50 mg/kg		Adopted 2004
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	50 mg/kg		Adopted 2004
05.1.4	Cocoa and chocolate products	10000 mg/kg		6
05.1.5	Imitation chocolate, chocolate substitute products	10000 mg/kg		6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP	Note 3	Adopted 2001
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	10000 mg/kg		6
05.3	Chewing gum	20000 mg/kg	Note 3	Adopted 2001
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	10000 mg/kg		6

# MINERAL OIL (HIGH VISCOSITY)

Mineral Oil (High Viscosity) INS: 905d

Function: G	Blazing Agent, Release Agent			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
05.1	Cocoa products and chocolate products including imitations and chocolate substitutes	2000 mg/kg	Note 3	Adopted 2004
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	2000 mg/kg	Note 3	Adopted 2004
05.3	Chewing gum	20000 mg/kg		Adopted 2004
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	2000 mg/kg	Note 3	Adopted 2004

Function:	Glazing Agent,	Release Agent
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Food Cat. No.	Food Category	Max Level	Comments	Step Year
06.1	Whole, broken, or flaked grain, including rice	800 mg/kg	Note 98	Adopted 2004
07.0	Bakery wares	3000 mg/kg	Note 125	Adopted 2004
08.2.3	Frozen processed meat, poultry, and game products in whole pieces or cuts	950 mg/kg	Note 3	Adopted 2004
08.3.3	Frozen processed comminuted meat, poultry, and game products	950 mg/kg	Note 3	Adopted 2004

# MINERAL OIL (MEDIUM & LOW VISCOSITY, CLASS I)

INS: 905e

Mineral Oil (Medium & Low Viscosity,

Class I)

Function: Glazing Agent, Release Agent

	g - ·g - ···, · · · · · · · · · · · · · · · ·			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
05.0	Confectionery	2000 mg/kg	Note 3	Adopted 2004
07.1.1	Breads and rolls	3000 mg/kg	Notes 36 & 126	Adopted 2004

### **MONO- AND DIGLYCERIDES**

Mono- and Diglycerides

INS: 471

Function: Ar	tifoaming Agent, Bulking Agent, Emulsifier, Stabilizer, Thickener					
Food Cat. No.	Food Category	Max L	evel	Comments	Step	Year
01.1.1	Milk and buttermilk (plain)	10000	mg/kg		6	
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	5000	mg/kg		6	
01.4.1	Pasteurized cream (plain)	5000	mg/kg		6	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000	mg/kg		6	
02.1.1	Butter oil, anhydrous milkfat, ghee	20000	mg/kg		6	
02.1.2	Vegetable oils and fats	20000	mg/kg		6	
02.1.3	Lard, tallow, fish oil, and other animal fats	100000	mg/kg		6	
02.2.1.1	Butter and concentrated butter	20000	mg/kg	Note 52	6	
04.1.1.2	Surface-treated fresh fruit		GMP	Note 16	6	
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP	Note 16	6	
06.1	Whole, broken, or flaked grain, including rice		GMP		6	
06.4.1	Fresh pastas and noodles and like products		GMP		3	
06.4.2	Dried pastas and noodles and like products	30000	mg/kg		6	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts		GMP	Note 16	6	
08.1.2	Fresh meat, poultry, and game, comminuted		GMP		6	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	10000	mg/kg		6	

Function:	Antifoaming Agent, Bulking Agent, Emulsifier, Stabilizer, Thicken	ner		
Food Cat. No.	. Food Category	Max Level	Comments	Step Year
10.2.2	Frozen egg products	GMP		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	6000 mg/kg		6
12.1	Salt and salt substitutes	5000 mg/kg		6
12.2.1	Herbs and spices	5000 mg/kg	Note 51	6
13.1.1	Infant formulae	5000 mg/kg		6
13.1.2	Follow-up formulae	5000 mg/kg		6
13.1.3	Formulae for special medical purposes for infants	5000 mg/kg		3
13.2	Complementary foods for infants and young children	15000 mg/kg		6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		6
14.2.3	Grape wines	18 mg/kg		6
MONOAI	MMONIUM GLUTAMATE, L-			
Monoammo	nium Glutamate, L- INS: 624			
Function:	Flavour Enhancer			
Food Cat. No.		Max Level	Comments	Step Year
	'-'			
08.1	Fresh meat, poultry, and game	GMP		6
12.1.2	Salt Substitutes	GMP		6
12.2.1	Herbs and spices	GMP	Note 51	6
MONOR	OTACCHIM CLUTAMATE I			
	OTASSIUM GLUTAMATE, L- sium Glutamate, L- INS: 622			
	Flavour Enhancer			
Food Cat. No.	. Food Category	Max Level	Comments	Step Year
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 41	6
12.1.2	Salt Substitutes	GMP		6
12.2.1	Herbs and spices	GMP	Note 51	6
MONOS	ODIUM GLUTAMATE, L-			
Monosodiun	n Glutamate, L- INS: 621			
Function:	Flavour Enhancer			
Food Cat. No.		Max Level	Comments	Step Year
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP		6

6

6

3

12.1.2

12.2.1

14.1.5

Function: F	lavour Enhancer				
Food Cat. No.	Food Category	Max Level	Comments	Step Year	-
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	GMP		3	
06.4.2	Dried pastas and noodles and like products	GMP		3	
08.1	Fresh meat, poultry, and game	GMP		6	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		3	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 41	6	

**GMP** 

**GMP** 

**GMP** 

Note 51

### **MONOSTARCH PHOSPHATE**

Salt Substitutes

Herbs and spices

Monostarch Phosphate INS: 1410

Coffee, coffee substitutes, tea, herbal infusions, and other

hot cereal and grain beverages, excluding cocoa

Function: B	sulking Agent, Emulsifier, Stabilizer, Thickener					
Food Cat. No.	Food Category	Max Le	evel	Comments	Step	Year
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)		GMP		3	
01.4.1	Pasteurized cream (plain)		GMP		6	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)		GMP		6	
02.1	Fats and oils essentially free from water		GMP		6	
02.2.1.1	Butter and concentrated butter		GMP	Note 52	6	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 41	6	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000	mg/kg		6	
13.1.1	Infant formulae		GMP		3	
13.1.2	Follow-up formulae		GMP		3	
13.1.3	Formulae for special medical purposes for infants	50000	mg/kg		3	
13.2	Complementary foods for infants and young children	50000	mg/kg		6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	10000	mg/kg		6	

### **NEOTAME**

Neotame INS: 961

Function: Flavour Enhancer, Sweetener

Food Cat. No. Food Category Max Level Comments Step Year

01.1.2 Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)

20 mg/kg 3

Function: Flavour Enhancer, Sweetener

Function: F	lavour Enhancer, Sweetener		
Food Cat. No.	Food Category	Max Level Comments	Step Year
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	65 mg/kg	3
01.3.2	Beverage whiteners	GMP	3
01.4.1	Pasteurized cream (plain)	GMP	3
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP	3
01.4.3	Clotted cream (plain)	GMP	3
01.4.4	Cream analogues	33 mg/kg	3
01.5.1	Milk powder and cream powder (plain)	GMP	3
01.5.2	Milk and cream powder analogues	65 mg/kg	3
01.6.1	Unripened cheese	33 mg/kg	3
01.6.5	Cheese analogues	33 mg/kg	3
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	100 mg/kg	3
02.3	Fat emulsions maily of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	10 mg/kg	3
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	100 mg/kg	3
03.0	Edible ices, including sherbet and sorbet	100 mg/kg	3
04.1.2.1	Frozen fruit	100 mg/kg	3
04.1.2.2	Dried fruit	100 mg/kg	3
04.1.2.3	Fruit in vinegar, oil, or brine	100 mg/kg	3
04.1.2.4	Canned or bottled (pasteurized) fruit	33 mg/kg	3
04.1.2.5	Jams, jellies, marmelades	33 mg/kg	3
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	65 mg/kg	3
04.1.2.7	Candied fruit	65 mg/kg	3
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	100 mg/kg	3
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	100 mg/kg	3
04.1.2.10	Fermented fruit products	65 mg/kg	3
04.1.2.11	Fruit fillings for pastries	100 mg/kg	3
04.1.2.12	Cooked fruit	65 mg/kg	3
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	33 mg/kg	3
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	33 mg/kg	3
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	10 mg/kg	3
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	33 mg/kg	3
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	33 mg/kg	3

Function:	Flavour	Enhancer,	Sweetener

Food Cat. No.	Food Category	Max Level	Comments	Step Year
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	33 mg/kg		3
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	33 mg/kg		3
04.2.2.8	Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	33 mg/kg		3
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	100 mg/kg		3
05.1.2	Cocoa mixes (syrups)	33 mg/kg		3
05.1.3	Cocoa-based spreads, including fillings	100 mg/kg		3
05.1.4	Cocoa and chocolate products	80 mg/kg		3
05.1.5	Imitation chocolate, chocolate substitute products	100 mg/kg		3
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	330 mg/kg		3
05.3	Chewing gum	330 mg/kg		3
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	33 mg/kg		3
06.3	Breakfast cereals, including rolled oats	80 mg/kg		3
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	33 mg/kg		3
07.1	Bread and ordinary bakery wares	70 mg/kg		3
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	80 mg/kg		3
08.2	Processed meat, poultry, and game products in whole pieces or cuts	10 mg/kg		3
08.3	Processed comminuted meat, poultry, and game products	10 mg/kg		3
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	10 mg/kg		3
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	10 mg/kg		3
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	10 mg/kg		3
10.2.3	Dried and/or heat coagulated egg products	33 mg/kg		3
10.4	Egg-based desserts (e.g., custard)	33 mg/kg		3
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	100 mg/kg		3
11.6	Table-top sweeteners, including those containing high- intensity sweeteners	GMP		3
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	65 mg/kg		3
12.3	Vinegars	12 mg/kg		3
12.4	Mustards	12 mg/kg		3
12.5	Soups and broths	20 mg/kg		3
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	65 mg/kg		3
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	65 mg/kg		3
12.6.3	Mixes for sauces and gravies	12 mg/kg		3

Food Cat. No.	Food Category	Max Level	Comments Step Year
12.6.4	Clear sauces (e.g., fish sauce)	12 mg/kg	3
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	33 mg/kg	3
13.1.3	Formulae for special medical purposes for infants	25 mg/kg	3
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	33 mg/kg	3
13.4	Dietetic formulae for slimming purposes and weight reduction	33 mg/kg	3
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	65 mg/kg	3
13.6	Food supplements	90 mg/kg	3
14.1.2.2	Vegetable juice	65 mg/kg	3
14.1.2.4	Concentrates for vegetable juice	65 mg/kg	3
14.1.3.2	Vegetable nectar	65 mg/kg	3
14.1.3.4	Concentrates for vegetable nectar	65 mg/kg	3
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	33 mg/kg	3
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	50 mg/kg	3
14.2.1	Beer and malt beverages	20 mg/kg	3
14.2.2	Cider and perry	20 mg/kg	3
14.2.4	Wines (other than grape)	23 mg/kg	3
14.2.5	Mead	23 mg/kg	3
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	23 mg/kg	3
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	33 mg/kg	3
15.0	Ready-to-eat savouries	16 mg/kg	3

# **NISIN**

Nisin INS: 234

Function: Preservative					
Food Cat. No.	Food Category	Max Level	Comments	Step Year	
01.0	Dairy products and analogues, excluding products of category 02.0	500 mg/kg	Note 28	3	
01.4.3	Clotted cream (plain)	10 mg/kg	Note 28	6	
01.6.1	Unripened cheese	12.5 mg/kg	Note 28	6	
01.6.2	Ripened cheese	12.5 mg/kg	Note 28	6	
01.6.3	Whey cheese	12.5 mg/kg	Note 28	6	
01.6.4	Processed cheese	250 mg/kg	Note 28	6	
01.6.5	Cheese analogues	12.5 mg/kg	Note 28	6	
01.6.6	Whey protein cheese	12.5 mg/kg	Note 28	6	
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	GMP	Note 28	6	
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Potassium Nitrite

Function: P	reservative			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	3 mg/kg	Note 28	6
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	250 mg/kg	Note 28	6
08.0	Meat and meat products, including poultry and game	500 mg/kg	Note 28	3
10.2.1	Liquid egg products	GMP	Note 28	3
12.5.1	Ready-to-eat soups and broths, including canned, bottled, and frozen	GMP	Note 28	6
12.9.5	Other protein products	200 mg/kg	Note 28	3
NITRATES	s			
Sodium Nitrat		Nitrate		INS: 252
Function: C	colour Retention Agent, Preservative			
Food Cat. No.	Food Category	Max Level	Comments	Step Yea
01.6	Cheese and analogues	40 mg/kg	Note 30	6
08.1	Fresh meat, poultry, and game	150 mg/kg	Note 30	6
08.2.1.1	Cured (including salted) non-heat treated processed meat, poultry, and game products in whole pieces or cuts	1600 mg/kg	Note 30	6
08.2.1.2	Cured (including salted) and dried non-heat treated processed meat, poultry, and game products in whole pieces or cuts	450 mg/kg	Note 30	6
08.2.1.3	Fermented non-heat treated processed meat, poultry, and game products in whole pieces or cuts	450 mg/kg	Note 30	6
08.2.2	Heat-treated processed meat, poultry, and game products in whole pieces or cuts	365 mg/kg	Note 30	6
08.2.3	Frozen processed meat, poultry, and game products in whole pieces or cuts	220 mg/kg	Note 30	6
08.3.1.1	Cured (including salted) non-heat treated processed comminuted meat, poultry, and game products	1250 mg/kg	Note 30	6
08.3.1.2	Cured (including salted) and dried non-heat treated processed comminuted meat, poultry, and game products	365 mg/kg	Note 30	6
08.3.1.3	Fermented non-heat treated processed comminuted meat, poultry, and game products	365 mg/kg	Note 30	6
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	365 mg/kg	Note 30	6
08.3.3	Frozen processed comminuted meat, poultry, and game products	365 mg/kg	Note 30	6
08.4	Edible casings (e.g., sausage casings)	150 mg/kg	Note 30	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	150 mg/kg	Note 30	6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	365 mg/kg	Notes 22 & 30	6
		220 mg/kg	Note 30	6
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	220 mg/kg		

INS: 249

Sodium Nitrite

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INS: 250

Function: Colour Retention Agent, Preservative

Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.6	Cheese and analogues	20 mg/kg	Note 32	6
08.1	Fresh meat, poultry, and game	130 mg/kg	Note 32	6
08.2.1.1	Cured (including salted) non-heat treated processed meat, poultry, and game products in whole pieces or cuts	420 mg/kg	Note 32	6
08.2.1.2	Cured (including salted) and dried non-heat treated processed meat, poultry, and game products in whole pieces or cuts	300 mg/kg	Note 32	6
08.2.1.3	Fermented non-heat treated processed meat, poultry, and game products in whole pieces or cuts	130 mg/kg	Note 32	6
08.2.2	Heat-treated processed meat, poultry, and game products in whole pieces or cuts	170 mg/kg	Note 32	6
08.2.3	Frozen processed meat, poultry, and game products in whole pieces or cuts	170 mg/kg	Note 32	6
08.3	Processed comminuted meat, poultry, and game products	130 mg/kg	Note 32	6
08.4	Edible casings (e.g., sausage casings)	130 mg/kg	Note 32	6
09.2.4.1	Cooked fish and fish products	50 mg/kg	Note 32	6
09.2.4.1	Cooked fish and fish products	100 mg/kg	Note 32	3
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	130 mg/kg	Notes 22 & 32	6
09.3.3	Salmon substitutes, caviar, and other fish roe products	5 mg/kg	Note 32	6

# **NITROGEN**

Nitrogen INS: 941

	Propellant			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.1	Milk and buttermilk (plain)	GMP	Note 59	6
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	GMP	Note 59	6
01.4.1	Pasteurized cream (plain)	GMP	Note 59	6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP	Note 59	3
02.1	Fats and oils essentially free from water	GMP	Note 59	6
02.2.1.1	Butter and concentrated butter	GMP	Notes 52 & 59	6
04.1.1	Fresh fruit	GMP	Note 59	6
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP	Note 59	6
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 59	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 59	6
13.1.1	Infant formulae	GMP	Note 59	3
13.1.2	Follow-up formulae	GMP	Note 59	3
13.2	Complementary foods for infants and young children	GMP	Note 59	3
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	Note 59	6
14.2.3	Grape wines	GMP	Note 59	6
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# **NITROUS OXIDE**

Nitrous Oxide INS: 942

Function: F	ropellant			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.1	Milk and buttermilk (plain)	GMP		6
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation	GMP		6
01.4.1	Pasteurized cream (plain)	GMP		6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		6
02.1	Fats and oils essentially free from water	GMP		6
02.2.1.1	Butter and concentrated butter	GMP	Note 52	6
04.1.1.1	Untreated fresh fruit	GMP		6
04.1.1.3	Peeled or cut fresh fruit	GMP		6
04.2.1.1	Untreated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes [(including soybeans)], and aloe vera), seaweeds, and nuts and seeds	GMP		6
04.2.1.3	Peeled, cut or shredded fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP		6
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP		6
06.1	Whole, broken, or flaked grain, including rice	GMP		6
06.2	Flours and starches (including soybean powder)	GMP		6
06.4.2	Dried pastas and noodles and like products	GMP		6
08.1	Fresh meat, poultry, and game	GMP		6
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
10.1	Fresh eggs	GMP		6
10.2.1	Liquid egg products	GMP		6
10.2.2	Frozen egg products	GMP		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		6
11.5	Honey	GMP		6
12.1	Salt and salt substitutes	GMP		6
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	GMP	Note 51	6
13.1.1	Infant formulae	GMP		6
13.1.2	Follow-up formulae	GMP		6
13.2	Complementary foods for infants and young children	GMP		6
14.1.1.1	Natural mineral waters and source waters	GMP	Note 68	6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		6

### **ORTHO-PHENYLPHENOLS**

Ortho-Phenylphenol INS: 231 Sodium o-Phenylphenol INS: 232

Function: Preservative

Food Cat. No. Food Category Max Level Comments Step Year

04.1.1.2 Surface-treated fresh fruit 12 mg/kg Note 49 Adopted 1999

### **OXIDIZED STARCH**

Oxidized Starch INS: 1404

Function: B	ulking Agent, Emulsifier, Stabilzer, Thickener					
Food Cat. No.	Food Category	Max L	evel	Comments	Step	Year
01.1.1.2	Buttermilk (plain)		GMP		6	
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)		GMP		3	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation		GMP		6	
01.2.2	Renneted milk (plain)		GMP		6	
01.4.1	Pasteurized cream (plain)		GMP		6	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)		GMP		6	
02.1	Fats and oils essentially free from water		GMP		6	
02.2.1.1	Butter and concentrated butter		GMP	Note 52	6	
04.1.1.2	Surface-treated fresh fruit		GMP	Note 16	6	
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP	Note 16	6	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts		GMP	Note 16	6	
08.1.2	Fresh meat, poultry, and game, comminuted		GMP		6	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP		6	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 41	6	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000	mg/kg		6	
12.1.2	Salt Substitutes		GMP		6	
12.2.1	Herbs and spices		GMP	Note 51	6	
13.1.1	Infant formulae		GMP		3	
13.1.2	Follow-up formulae		GMP		3	
13.1.3	Formulae for special medical purposes for infants	50000	mg/kg		3	
13.2	Complementary foods for infants and young children	50000	mg/kg		6	

Function: E	Bulking Agent, Emulsifier, Stabilzer, Thickener				
Food Cat. No.	Food Category	Max Level	Comments	Step	Year
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	10000 mg/kg		6	

## **PAPAIN**

Papain INS: 1101ii

Function: F	avour Enhancer, Flour Treatment Agent, Stabilizer				
Food Cat. No.	Food Category	Max Level	Comments	Step	Year
06.1	Whole, broken, or flaked grain, including rice	1000 mg/kg		6	
06.2.1	Flours	GMP		6	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP		6	
14.2.3	Grape wines	GMP		6	

# PECTINS (AMIDATED AND NON-AMIDATED)

Pectins (Amidated and Non-Amidated) INS: 440

Function: E	mulsifier, Stabilizer, Thickener				
Food Cat. No.	Food Category	Max L	.evel	Comments	Step Year
01.1.1	Milk and buttermilk (plain)		GMP		6
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation		GMP		6
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	10000	mg/kg		6
01.2.2	Renneted milk (plain)		GMP		6
01.4.1	Pasteurized cream (plain)		GMP		6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000	mg/kg		6
02.1	Fats and oils essentially free from water		GMP		6
02.2.1.1	Butter and concentrated butter		GMP	Note 52	6
04.1.1.2	Surface-treated fresh fruit		GMP		6
04.1.1.3	Peeled or cut fresh fruit		GMP		6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6
04.2.1.3	Peeled, cut or shredded fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	20000	mg/kg		6
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10		GMP		3
06.4.1	Fresh pastas and noodles and like products		GMP		3
06.4.2	Dried pastas and noodles and like products		GMP		6
08.1	Fresh meat, poultry, and game		GMP		6
				Page 166 of 2	64

Food Cat. No.	Food Category	Max L	evel	Comments	Step Year
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	20000	mg/kg	Note 16	6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Notes 41 & 61	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms		GMP		6
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
10.2.1	Liquid egg products		GMP		6
10.2.2	Frozen egg products		GMP		6
11.1.1	White sugar, dextrose anhydrous, dextrose monohydrate, fructose		GMP		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)		GMP		6
12.1.2	Salt Substitutes		GMP		6
12.2.1	Herbs and spices		GMP	Note 51	6
13.1.1	Infant formulae	10000	mg/kg		6
13.1.2	Follow-up formulae	10000	mg/kg		6
13.1.3	Formulae for special medical purposes for infants	10000	mg/kg		3
13.2	Complementary foods for infants and young children	20000	mg/kg		6
14.1.2.1	Fruit juice		GMP	Note 35	7
14.1.2.2	Vegetable juice	3000	mg/kg		3
14.1.2.3	Concentrates for fruit juice		GMP	Notes 35 & 127	7
14.1.2.4	Concentrates for vegetable juice	3000	mg/kg		3
14.1.3.1	Fruit nectar		GMP		7
14.1.3.2	Vegetable nectar	3000	mg/kg		3
14.1.3.3	Concentrates for fruit nectar		GMP	Note 127	7
14.1.3.4	Concentrates for vegetable nectar	3000	mg/kg		3
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa		GMP		6
14.2.3	Grape wines		GMP		6

### PHOSPHATED DISTARCH PHOSPHATE

Phosphated Distarch Phosphate INS: 1413

Function: E	Bulking Agent, Emulsifier, Stabilizer, Thickener				
Food Cat. No.	Food Category	Max Level	Comments	Step Ye	ar
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	GMP		3	
01.4.1	Pasteurized cream (plain)	GMP		6	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		6	
02.1	Fats and oils essentially free from water	GMP		6	

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Function: B	ulking Agent, Emulsifier, S	tabilizer, Thickener				
Food Cat. No.	Food Category			Max Level	Comments	Step Year
02.2.1.1	Butter and concentrated	butter		GMP	Note 52	6
06.4.1	Fresh pastas and noodle	s and like products		200 mg/kg		3
06.4.2	Dried pastas and noodle	s and like products		200 mg/kg		3
09.2.2	Frozen battered fish, fish mollusks, crustaceans, a		ıcts, including	GMP	Note 41	6
11.4	Other sugars and syrups toppings)	(e.g., xylose, maple s	syrup, sugar	10000 mg/kg		6
13.1.1	Infant formulae			60000 mg/kg		6
13.1.2	Follow-up formulae			25000 mg/kg		6
13.1.3	Formulae for special med	dical purposes for infa	ants	60000 mg/kg		3
13.2	Complementary foods fo	r infants and young cl	hildren	60000 mg/kg		6
14.1.5	Coffee, coffee substitutes hot cereal and grain beve			10000 mg/kg		6
PHOSPHA						
Orthophospho	oric Acid	INS: 338	Monosodiun	n Orthophosphat	е	INS: 339i
Disodium Ort	hophosphate	INS: 339ii	Trisodium C	rthophosphate		INS: 339iii
Monopotassiu	um Orthophosphate	INS: 340i	Dipotassium	Orthophosphate	Э	INS: 340ii
Tripotassium	Orthophosphate	INS: 340iii	Monocalciur	m Orthophospha	te	INS: 341i
Dicalcium Ort	thophosphate	INS: 341ii	Tricalcium C	Orthophosphate		INS: 341iii
Monoammon	ium Orthophosphate	INS: 342i	Diammoniur	m Orthophospha	te	INS: 342ii
Monomagnes	sium Phosphate	INS: 343i	Dimagnesiu	m Orthophospha	te	INS: 343ii
Trimagnesiun	n Orthophosphate	INS: 343iii	Disodium Di	phosphate		INS: 450i
Trisodium Dip	phosphate	INS: 450ii	Tetrasodium	Diphosphate		INS: 450iii
Tetrapotassiu	ım Diphosphate	INS: 450v	Dicalcium [	Diphosphate		INS: 450vi
Calcium Dihy	drogen Diphosphate	INS: 450vii	Pentasodiur	m Triphosphate		INS: 451i
Pentapotassi	um Triphosphate	INS: 451ii	Sodium Poly	/phosphate		INS: 452i
Potassium Po	olyphosphate	INS: 452ii	Sodium Cal	cium Polyphosph	ate	INS: 452iii
Calcium Poly	phosphates	INS: 452iv	Ammonium	Polyphosphates		INS: 452v
Bone Phosph	nate	INS: 542				
	nticaking Agt, Acidity Reg. rt Agt, Humectant, Pres., F			gt, Emulsifier, Fla	vour Enh, Firn	ning Agt, Flour
Food Cat. No.	Food Category			Max Level	Comments	Step Year
01.1.1	Milk and buttermilk (plair	_ <b>_</b>	_ <del>_</del>	880 mg/kg	Note 33	6
01.1.1	Milk and buttermilk (plair	n)		1500 mg/kg	Note 33	3
01.1.2	Dairy-based drinks, flavo chocolate milk, cocoa, eq			1320 mg/kg	Note 33	6
01.2	based drinks) Fermented and renneted food category 01.1.2 (da		, excluding	880 mg/kg	Note 33	6

Function: Anticaking Agt, Acidity Reg., Adj., Antioxidant, Colour Retention Agt, Emulsifier, Flavour Enh, Firming Agt, Flour Trt Agt, Humectant, Pres., Raising Agt, Seq., Stabilizer, Thk

Food Cat. No.	Food Category	Max Leve	el	Comments	Step	Year
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	2200 m	ıg/kg	Note 33	3	
01.3.1	Condensed milk (plain)	880 m	ıg/kg	Notes 33 & 34	6	
01.3.2	Beverage whiteners	22000 m	ıg/kg	Note 33	6	
01.4	Cream (plain) and the like	2200 m	ıg/kg	Note 33	6	
01.5.1	Milk powder and cream powder (plain)	4400 m	ıg/kg	Note 33	6	
01.5.2	Milk and cream powder analogues	880 m	ıg/kg	Note 33	6	
01.5.2	Milk and cream powder analogues	2200 m	ıg/kg	Note 33	3	
01.6.1	Unripened cheese	10000 m	ıg/kg	Note 33	6	
01.6.2	Ripened cheese	880 m	ıg/kg	Note 33	6	
01.6.3	Whey cheese	880 m	ıg/kg	Note 33	6	
01.6.4	Processed cheese	14050 m	ıg/kg	Note 33	6	
01.6.5	Cheese analogues	13200 m	ıg/kg	Note 33	6	
01.6.6	Whey protein cheese	880 m	ıg/kg	Note 33	6	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	8800 m	ıg/kg	Note 33	6	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	10500 m	ıg/kg	Note 33	3	
01.8.1	Liquid whey and whey products, excluding whey cheeses	880 m	ıg/kg	Note 33	6	
01.8.2	Dried whey and whey products, excluding whey cheeses	3400 m	ıg/kg	Note 33	6	
01.8.2	Dried whey and whey products, excluding whey cheeses	4400 m	ıg/kg	Note 33	3	
02.1.1	Butter oil, anhydrous milkfat, ghee	40 m	ıg/kg	Note 33	6	
02.1.2	Vegetable oils and fats	220 m	ıg/kg	Note 33	6	
02.1.3	Lard, tallow, fish oil, and other animal fats	220 m	ıg/kg	Note 33	6	
02.2.1.1	Butter and concentrated butter	880 m	ıg/kg	Note 33	6	
02.2.1.2	Margarine and similar products	2200 m	ıg/kg	Note 33	6	
02.2.1.3	Blends of butter and margarine	G	MP	Note 33	6	
02.2.2	Emulsions containing less than 80% fat	2200 m	ıg/kg	Note 33	6	
02.3	Fat emulsions maily of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	2200 m	ıg/kg	Note 33	6	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	7000 m		Note 33	6	
03.0	Edible ices, including sherbet and sorbet	12000 m		Note 33	6	
04.1.2.1	Frozen fruit	200 m		Note 33	6	
04.1.2.2	Dried fruit	10 m	ıg/kg	Note 33	6	
04.1.2.3	Fruit in vinegar, oil, or brine	1100 m	ıg/kg	Note 33	6	
04.1.2.4	Canned or bottled (pasteurized) fruit	200 m	ıg/kg	Note 33	6	
04.1.2.5	Jams, jellies, marmelades	530 m	ıg/kg	Note 33	6	
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	1100 m		Note 33	6	
04.1.2.7	Candied fruit	10 m	ıg/kg	Note 33	6	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	7000 m	ıg/kg	Note 33	6	

Function: Anticaking Agt, Acidity Reg., Adj., Antioxidant, Colour Retention Agt, Emulsifier, Flavour Enh, Firming Agt, Flour Trt Agt, Humectant, Pres., Raising Agt, Seg., Stabilizer, Thk

Tri	t Agt, Humectant, Pres., Raising Agt, Seq., Stabilizer, Thk		,	,	3 3 7	
Food Cat. No.	Food Category	Max Le	vel	Comments	Step	Year
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	7000 r	mg/kg	Note 33	6	
04.1.2.11	Fruit fillings for pastries	7000 r	mg/kg	Note 33	6	
04.2.1.1	Untreated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes [(including soybeans)], and aloe vera), seaweeds, and nuts and seeds	200 r	mg/kg	Note 33	6	
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	1760 r	mg/kg	Notes 16 & 33	6	
04.2.1.3	Peeled, cut or shredded fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	1000 r	mg/kg	Note 33	6	
04.2.1.3	Peeled, cut or shredded fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	5600 r	mg/kg	Notes 33 & 76	3	
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	5000 r	mg/kg	Notes 33 & 76	6	
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	5000 r	mg/kg	Notes 33 & 76	6	
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	2200 r	mg/kg	Note 33	6	
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	2200 r	mg/kg	Note 33	6	
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	2200 r	mg/kg	Notes 33 & 76	6	
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	2200 r	mg/kg	Note 33	6	
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	2200 r	mg/kg	Notes 33 & 76	6	
04.2.2.8	Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	2200 r	mg/kg	Notes 33 & 76	6	
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	6000 r	mg/kg	Note 33	6	
05.1.3	Cocoa-based spreads, including fillings	220 r	mg/kg	Note 33	6	
05.1.4	Cocoa and chocolate products	2200 r	mg/kg	Note 33	6	
05.1.5	Imitation chocolate, chocolate substitute products	2200 r	mg/kg	Note 33	6	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	2200 r		Note 33	6	
05.3	Chewing gum	44000 r		Note 33	6	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	7000 r		Note 33	6	
06.1	Whole, broken, or flaked grain, including rice		mg/kg	Note 33	6	
06.2.1	Flours	11900 r	mg/kg	Note 33	6	
06.2.2	Starches	4000 r	mg/kg	Note 33	6	
06.2.2	Starches	6200 r	mg/kg	Note 33	3	

Function: Anticaking Agt, Acidity Reg., Adj., Antioxidant, Colour Retention Agt, Emulsifier, Flavour Enh, Firming Agt, Flour Trt Agt, Humectant, Pres., Raising Agt, Seg., Stabilizer, Thk

	Tı	t Agt, Humectant, Pres., Raising Agt, Seq., Stabilizer, Thk		,	,	0 0 7		
Food	Cat. No.	Food Category	Max L	evel	Comments	Step	Year	٠
06.3		Breakfast cereals, including rolled oats	2200	mg/kg	Note 33	6		
06.4.1	1	Fresh pastas and noodles and like products	2000	mg/kg	Note 33	3		
06.4.2	2	Dried pastas and noodles and like products	2200	mg/kg	Note 33	6		
06.4.3	3	Pre-cooked pastas and noodles and like products	2000	mg/kg	Note 33	6		
06.4.3	3	Pre-cooked pastas and noodles and like products	2200	mg/kg	Note 33	3		
06.5		Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	7000	mg/kg	Note 33	6		
06.6		Batters (e.g., for breading or batters for fish or poultry)	5300	mg/kg	Note 33	6		
06.6		Batters (e.g., for breading or batters for fish or poultry)	5600	mg/kg	Note 33	3		
07.0		Bakery wares	9300	mg/kg	Note 33	6		
08.1.1	1	Fresh meat, poultry, and game, whole pieces or cuts	1100	mg/kg	Note 33	6		
08.1.2		Fresh meat, poultry, and game, comminuted	2200	mg/kg	Note 33	6		
08.2.1	1	Non-heat treated processed meat, poultry, and game products in whole pieces or cuts	2200	mg/kg	Note 33	6		
08.2.2	2	Heat-treated processed meat, poultry, and game products in whole pieces or cuts	3100	mg/kg	Note 33	6		
08.2.3	3	Frozen processed meat, poultry, and game products in whole pieces or cuts	2200	mg/kg	Note 33	6		
08.3		Processed comminuted meat, poultry, and game products	2200	mg/kg	Note 33	6		
08.4		Edible casings (e.g., sausage casings)	1100	mg/kg	Note 33	6		
09.1.1	1	Fresh fish		GMP	Note 33	6		
09.2.1	1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	4400	mg/kg	Note 33	6		
09.2.2	2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	4400	mg/kg	Note 33	6		
09.2.3	3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	2200	mg/kg	Note 33	6		
09.2.4	4.1	Cooked fish and fish products	2200	mg/kg	Note 33	6		
09.2.4	4.2	Cooked mollusks, crustaceans, and echinoderms	2200	mg/kg	Note 33	6		
09.2.5	5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms		GMP	Notes 22 & 33	6		
09.2.5	5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	2200	mg/kg	Note 33	3		
09.3.1	1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	1000	mg/kg	Note 33	6		
09.3.1	1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	2200	mg/kg	Note 33	3		
09.3.2	2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	2200	mg/kg	Note 33	6		
09.3.3	3	Salmon substitutes, caviar, and other fish roe products	1000	mg/kg	Note 33	6		
09.3.3	3	Salmon substitutes, caviar, and other fish roe products	2200	mg/kg	Note 33	3		
09.3.4	4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3	2200	mg/kg	Note 33	6		
09.4		Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	4400	mg/kg	Note 33	6		
10.2.1	1	Liquid egg products	4400	mg/kg	Notes 33 & 67	6		
10.2.2	2	Frozen egg products	1290	mg/kg	Note 33	6		
		301		5 5				

Function: Anticaking Agt, Acidity Reg., Adj., Antioxidant, Colour Retention Agt, Emulsifier, Flavour Enh, Firming Agt, Flour Trt Agt, Humectant, Pres., Raising Agt, Seq., Stabilizer, Thk

	rt Agt, Humectant, Pres., Raising Agt, Seq., Stabilizer, Thk			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
10.2.3	Dried and/or heat coagulated egg products	GMP	Note 33	6
10.3	Preserved eggs, including alkaline, salted, and canned eggs	1000 mg/kg	Note 33	6
10.4	Egg-based desserts (e.g., custard)	7000 mg/kg	Note 33	6
11.1.2	Powdered sugar, powdered dextrose	6600 mg/kg		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	1320 mg/kg	56 Note 33	6
11.6	Table-top sweeteners, including those containing high- intensity sweeteners	1000 mg/kg	Note 33	6
12.1.1	Salt	8800 mg/kg	Note 33	6
12.1.2	Salt Substitutes	4400 mg/kg	Note 33	6
12.2.1	Herbs and spices	GMP	Note 33	6
12.2.2	Seasonings and condiments	4000 mg/kg	Note 33	6
12.2.2	Seasonings and condiments	4400 mg/kg	Note 33	3
12.4	Mustards	1320 mg/kg	Note 33	6
12.5.1	Ready-to-eat soups and broths, including canned, bottled, and frozen	1320 mg/kg	Note 33	6
12.5.2	Mixes for soups and broths	6600 mg/kg	Note 33	6
12.6	Sauces and like products	8000 mg/kg	Note 33	6
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	GMP	Note 33	6
12.9.5	Other protein products	8800 mg/kg	Note 33	6
13.0	Foodstuffs intended for particular nutritional uses	2200 mg/kg	Note 33	6
14.1.1.2	Table waters and soda waters	890 mg/kg	Note 33	6
14.1.1.2	Table waters and soda waters	1000 mg/kg	Note 33	3
14.1.2.1	Fruit juice	1000 mg/kg	Notes 33, 40 & 122	7
14.1.2.2	Vegetable juice	2500 mg/kg	Notes 33 & 88	6
14.1.2.3	Concentrates for fruit juice	1000 mg/kg	Notes 33, 40, 122 & 127	7
14.1.2.4	Concentrates for vegetable juice	2500 mg/kg	Notes 3 & 88	6
14.1.3.1	Fruit nectar	1000 mg/kg	Notes 33, 40 & 122	7
14.1.3.2	Vegetable nectar	2500 mg/kg	Notes 33 & 88	6
14.1.3.3	Concentrates for fruit nectar	1000 mg/kg	Notes 33, 40, 122 & 127	7
14.1.3.4	Concentrates for vegetable nectar	2500 mg/kg	Notes 3 & 88	6
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	12000 mg/kg	Note 33	6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	880 mg/kg		6
14.2.1	Beer and malt beverages	440 mg/kg		6
14.2.2	Cider and perry	880 mg/kg		6
14.2.3	Grape wines	440 mg/kg	Note 33	6

Function: Anticaking Agt, Acidity Reg., Adj., Antioxidant, Colour Retention Agt, Emulsifier, Flavour Enh, Firming Agt, Flour Trt Agt, Humectant, Pres., Raising Agt, Seq., Stabilizer, Thk

Food Cat. No.	Food Category	Max Level	Comments	Step Year
14.2.4	Wines (other than grape)	440 mg/kg	Note 33	6
14.2.5	Mead	440 mg/kg	Note 33	6
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	440 mg/kg	Note 33	6
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	12000 mg/kg	Note 33	6
15.0	Ready-to-eat savouries	2200 mg/kg	Note 33	6
16.0	Composite foods - foods that could not be placed in categories 01 - 15	2000 mg/kg	Note 33	6

## PHOSPHATIDIC ACID, AMMONIUM SALT

Phosphatidic Acid, Ammonium Salt

INS: 442

Function: E	Emulsifier, Stabilizer		
Food Cat. No.	Food Category	Max Level Comments	Step Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	GMP	6
01.4	Cream (plain) and the like	GMP	6
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	5000 mg/kg	6
03.0	Edible ices, including sherbet and sorbet	7500 mg/kg	6
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	GMP	6
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	10000 mg/kg Note 97	6
05.1.4	Cocoa and chocolate products	10000 mg/kg	6
05.1.5	Imitation chocolate, chocolate substitute products	10000 mg/kg	6
07.1.1	Breads and rolls	GMP	6

### **PIMARICIN**

(syn. Natamycin) INS: 235 Pimaricin INS: 235

Function: P	reservative			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.6	Cheese and analogues	40 mg/kg	Notes 3 & 80	temp 2001
01.6.1	Unripened cheese	40 mg/kg	Notes 3 & 80	6
01.6.2.1	Ripened cheese, includes rind	10 mg/kg	Note 3	6
01.6.2.2	Rind of ripened cheese	40 mg/kg	Notes 3 & 80	6
01.6.4	Processed cheese	20 mg/kg	Notes 3 & 81	6
08.2.1.2	Cured (including salted) and dried non-heat treated processed meat, poultry, and game products in whole pieces or cuts	6 mg/kg		Adopted 2001
08.3.1.2	Cured (including salted) and dried non-heat treated processed comminuted meat, poultry, and game products	20 mg/kg	Notes 3 & 81	Adopted 2001
			Page 173 of 2	64

# **POLYDEXTROSE**

Polydextroses A and N INS: 1200

Function: B	ulking Agent, Humectant, Stabilizer, Thickener			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.1	Milk and buttermilk (plain)	GMP		6
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	GMP		6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		6
02.2.1.1	Butter and concentrated butter	GMP	Note 52	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
10.2.1	Liquid egg products	GMP		6
10.2.2	Frozen egg products	GMP		6
11.1	Refined and raw sugars	GMP		6
11.2	Brown sugar excluding products of food category 11.1.3	GMP		6
11.3	Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3	GMP		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		6
11.5	Honey	GMP		6
12.2.1	Herbs and spices	GMP	Note 51	6

# **POLYDIMETHYLSILOXANE**

Polydimethylsiloxane INS: 900a

Function: A	nticaking Agent, Antifoaming Agent			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.5.1	Milk powder and cream powder (plain)	10 mg/kg		Adopted 1999
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	50 mg/kg		6
02.1	Fats and oils essentially free from water	10 mg/kg		Adopted 1999
02.2.1.2	Margarine and similar products	10 mg/kg		Adopted 1999
03.0	Edible ices, including sherbet and sorbet	50 mg/kg		6
04.1.2.3	Fruit in vinegar, oil, or brine	10 mg/kg		Adopted 1999
04.1.2.4	Canned or bottled (pasteurized) fruit	10 mg/kg		Adopted 1999
04.1.2.5	Jams, jellies, marmelades	30 mg/kg		Adopted 1999
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	10 mg/kg		Adopted 1999
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	110 mg/kg		Adopted 1999
04.1.2.11	Fruit fillings for pastries	50 mg/kg		6

Function: Anticaking Agent, Antifoaming Agent

Function: A	nticaking Agent, Antifoaming Agent			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	10 mg/kg	Note 15	Adopted 1999
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	10 mg/kg		Adopted 1999
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	10 mg/kg		Adopted 1999
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	10 mg/kg		Adopted 1999
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	50 mg/kg		Adopted 2004
05.1.5	Imitation chocolate, chocolate substitute products	10 mg/kg		Adopted 1999
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	10 mg/kg		Adopted 1999
05.3	Chewing gum	100 mg/kg		Adopted 1999
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	50 mg/kg		6
06.6	Batters (e.g., for breading or batters for fish or poultry)	10 mg/kg		Adopted 1999
07.0	Bakery wares	10 mg/kg	Notes 3 & 36	6
08.2	Processed meat, poultry, and game products in whole pieces or cuts	50 mg/kg		6
08.3	Processed comminuted meat, poultry, and game products	50 mg/kg		6
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	50 mg/kg		6
10.2	Egg products	50 mg/kg		6
10.3	Preserved eggs, including alkaline, salted, and canned eggs	50 mg/kg		6
10.4	Egg-based desserts (e.g., custard)	50 mg/kg		6
11.3	Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3	10 mg/kg		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	50 mg/kg		6
11.6	Table-top sweeteners, including those containing high- intensity sweeteners	50 mg/kg		6
12.1.1	Salt	10 mg/kg	Note 36	Adopted 1999
12.2.2	Seasonings and condiments	50 mg/kg		3
12.5	Soups and broths	10 mg/kg		Adopted 1999
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	50 mg/kg		6
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	10 mg/kg		6
12.6.3	Mixes for sauces and gravies	10 mg/kg		6
12.6.4	Clear sauces (e.g., fish sauce)	10 mg/kg		6
12.8	Yeast and like products	50 mg/kg		6
12.9.1.3	Other soybean protein products (including non-fermented soy sauce)	50 mg/kg		6
12.10.3	Fermented soybean paste (e.g., miso)	50 mg/kg		6

Function:	Anticaking A	Agent, An	tifoaming Agent
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Food Cat. No.	Food Category	Max Level Commen	ts Step Year
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	50 mg/kg	Adopted 2004
13.4	Dietetic formulae for slimming purposes and weight reduction	50 mg/kg	Adopted 2004
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	50 mg/kg	Adopted 2004
13.6	Food supplements	50 mg/kg	Adopted 2004
14.1.2	Fruit and vegetable juices	10 mg/kg	Adopted 1999
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	20 mg/kg	Adopted 1999
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	50 mg/kg	6
14.2.1	Beer and malt beverages	10 mg/kg	Adopted 1999
14.2.2	Cider and perry	10 mg/kg	Adopted 1999
14.2.2	Cider and perry	50 mg/kg	6
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	50 mg/kg	6
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	10 mg/kg	Adopted 1999

### POLYETHYLENE GLYCOL

Polyethylene Glycol INS: 1521

Adjuvant, Antifoaming Agent, Carrier Solvent, Emulsifier, Flavour Enhancer, Glazing Agent, Release Agent, Stabilizer, Thickener Function:

Food Cat. No.	Food Category	Max Level Comments	Step Year
04.1.1.2	Surface-treated fresh fruit	GMP	Adopted 2001
05.3	Chewing gum	20000 mg/kg	Adopted 2001
11.6	Table-top sweeteners, including those containing high- intensity sweeteners	10000 mg/kg	Adopted 2001
13.6	Food supplements	70000 mg/kg	Adopted 2001
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	1000 mg/kg	Adopted 2001

### **POLYGLYCEROL ESTERS OF FATTY ACIDS**

Polyglycerol Esters of Fatty Acids INS: 475

Food Cat. No.	Food Category	Max Level Comm	nents Step Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	5000 mg/kg	6
01.2.1	Fermented milks (plain)	30000 mg/kg	6
01.3.2	Beverage whiteners	5000 mg/kg	6
01.4	Cream (plain) and the like	10000 mg/kg	6
01.5	Milk powder and cream powder and powder analogues (plain)	10000 mg/kg	6

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Function:	Adiuvant, Cr	vstallization Inhibitor.	Emulsifier.	Stabilizer, Thickener	r

	Processed cheese			
01.6.5	Troccock offices	10000 mg	g/kg	6
01.6.5	Cheese analogues	5000 mg	g/kg	6
	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	10000 mg	g/kg	6
02.0	Fats and oils, and fat emulsions	20000 mg	g/kg	6
03.0	Edible ices, including sherbet and sorbet	10000 mg	g/kg	6
04.1.1.2	Surface-treated fresh fruit	1000 mg	g/kg	6
	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	5000 mg	-	6
	Fruit-based desserts, including fruit-flavoured water-based desserts	9000 mg	g/kg	6
04.1.2.11	Fruit fillings for pastries	5000 mg	g/kg	6
	Peeled, cut or shredded fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	3000 mg		6
	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	5000 mg	ŋ/kg	6
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	9000 mg	g/kg	6
05.1.4	Cocoa and chocolate products	10000 mg	g/kg	6
05.1.5	Imitation chocolate, chocolate substitute products	10000 mg	g/kg	6
	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	5000 mg	g/kg	6
05.3	Chewing gum	20000 mg	g/kg	6
	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	10000 mg		6
06.1	Whole, broken, or flaked grain, including rice	10000 mg	g/kg	6
06.2	Flours and starches (including soybean powder)	10000 mg	g/kg	6
06.3	Breakfast cereals, including rolled oats	10000 mg	g/kg	6
06.4.2	Dried pastas and noodles and like products	20000 mg	g/kg	6
06.4.3	Pre-cooked pastas and noodles and like products	20000 mg	g/kg	6
	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	9000 mg		6
	Batters (e.g., for breading or batters for fish or poultry)	10000 mg		6
	Breads and rolls	10000 mg	_	6
07.1.2	Crackers, excluding sweet crackers	6000 mg	g/kg	6
	Other ordinary bakery products (e.g., bagels, pita, English muffins)	6000 mg		6
	Bread-type products, including bread stuffing and bread crumbs	10000 mg		6
	Steamed breads and buns	6000 mg		6
	Mixes for bread and ordinary bakery wares	6000 mg		6
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	10000 mg	g/kg	6
08.0	Meat and meat products, including poultry and game	5000 mg	g/kg	6
	Fish and fish products, including mollusks, crustaceans, and echinoderms	10000 mg		6
10.2	Egg products	5000 mg	g/kg	6

Function: Adjuvant, Crystallization Inhibitor, Emulsifier, Stabilizer, Thicken	ation Inhibitor, Emulsifier,	rystallization Inhibit	Adjuvant, Crystallization	Function:
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Food Cat. No.	Food Category	Max Level	Comments	Step Year
10.4	Egg-based desserts (e.g., custard)	9000 mg/kg	1	6
12.5.1	Ready-to-eat soups and broths, including canned, bottled, and frozen	5000 mg/kg	J	6
12.5.2	Mixes for soups and broths	9000 mg/kg	Note 127	6
12.6	Sauces and like products	10000 mg/kg	J	3
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	GMP		6
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	10000 mg/kg	1	6
12.6.3	Mixes for sauces and gravies	10000 mg/kզ	J	6
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	5000 mg/kg	J	6
13.4	Dietetic formulae for slimming purposes and weight reduction	5000 mg/kg	I	6
13.6	Food supplements	GMP		6
13.6	Food supplements	50000 mg/kg	J	3
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	9000 mg/kg	1	6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	5000 mg/kg	1	6
14.2.1	Beer and malt beverages	500 mg/kg	J	6
14.2.2	Cider and perry	5000 mg/kg	J	6
14.2.3	Grape wines	500 mg/kg	J	6
14.2.4	Wines (other than grape)	500 mg/kg	J	6
14.2.5	Mead	500 mg/kg	J	6
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	5000 mg/kg	J	6
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	5000 mg/kg	J	6
15.0	Ready-to-eat savouries	10000 mg/kg	J	6
16.0	Composite foods - foods that could not be placed in categories 01 - 15	GMP		6
16.0	Composite foods - foods that could not be placed in categories 01 - 15	10000 mg/kg	J	3

### POLYGLYCEROL ESTERS OF INTERESTERIFIED RICINOLEIC ACID

Polyglycerol Esters of Interesterified Ricinoleic Acid INS: 476

Fats and oils essentially free from water

Fat emulsions mainly of type water-in-oil

Emulsifier, Stabilizer

Function:

02.1

02.2

Food Cat. No.	Food Category	Max Level Cor	nments Step Year
01.4	Cream (plain) and the like	5000 mg/kg	6
01.5	Milk powder and cream powder and powder analogues (plain)	10000 mg/kg	6
01.6.4	Processed cheese	5000 mg/kg	6
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yogburt)	5000 mg/kg	6

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6

6

10000 mg/kg

10000 mg/kg

Function:	Emulsifier,	Stabilizer
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Food Cat. No.	Food Category	Max Level	Comments	Step Year
02.3	Fat emulsions maily of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	20000 mg/kg		6
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	10000 mg/kg		6
03.0	Edible ices, including sherbet and sorbet	10000 mg/kg		6
04.1.1.2	Surface-treated fresh fruit	1000 mg/kg		6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	5000 mg/kg		6
04.1.2.11	Fruit fillings for pastries	5000 mg/kg		6
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	5000 mg/kg	Note 97	3
05.1.4	Cocoa and chocolate products	10000 mg/kg		6
05.1.5	Imitation chocolate, chocolate substitute products	5000 mg/kg		6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	3000 mg/kg		6
05.3	Chewing gum	20000 mg/kg		6
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	5000 mg/kg		6
06.0	Cereals and cereal products derived from cereal grains, from roots and tubers, pulses and legumes, excluding bakery wares of food category 07.0	5000 mg/kg		6
07.0	Bakery wares	5000 mg/kg		6
08.0	Meat and meat products, including poultry and game	5000 mg/kg		6
09.0	Fish and fish products, including mollusks, crustaceans, and echinoderms	5000 mg/kg		6
10.2	Egg products	5000 mg/kg		6
10.4	Egg-based desserts (e.g., custard)	5000 mg/kg		6
12.5	Soups and broths	5000 mg/kg		6
12.6	Sauces and like products	5000 mg/kg		6
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	4000 mg/kg		6
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	5000 mg/kg		6
13.4	Dietetic formulae for slimming purposes and weight reduction	5000 mg/kg		6
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	5000 mg/kg		6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	5000 mg/kg		6
14.2.1	Beer and malt beverages	1000 mg/kg		6
14.2.2	Cider and perry	1000 mg/kg		6
14.2.3	Grape wines	1000 mg/kg		6
14.2.4	Wines (other than grape)	1000 mg/kg		6
15.0	Ready-to-eat savouries	1000 mg/kg		6

### **POLYOXYETHYLENE STEARATES**

Polyoxyethylene (8) Stearate INS: 430 Polyoxyethylene (40) Stearate INS: 431

Function: Emulsifier, Stabilizer				
Food Cat. No.	Food Category	Max Level Comments	Step Year	
02.1	Fats and oils essentially free from water	5000 mg/kg	6	
05.3	Chewing gum	20000 mg/kg	6	
07.1	Bread and ordinary bakery wares	5000 mg/kg	6	
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	4000 mg/kg	6	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	500 mg/kg	6	
14.2.3	Grape wines	GMP	6	

### **POLYSORBATES**

Polyoxyethylene (20) Sorbitan Monolaurate INS: 432 Polyoxyethylene (20) Sorbitan Monooleate INS: 433

Polyoxyethylene (20) Sorbitan Polyoxyethylene (20) Sorbitan INS: 435 INS: 434

Monostearate Monopalmitate

Polyoxyethylene (20) Sorbitan Tristearate INS: 436

Function: A	ntifoaming Agent, Adjuvant, Emulsifier, Foaming Agent, Flour Tr	eatment Agent, S	tabilizer	
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	5000 mg/kg		6
01.3.2	Beverage whiteners	5000 mg/kg		6
01.4	Cream (plain) and the like	1000 mg/kg		3
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	3000 mg/kg		6
01.4.4	Cream analogues	5000 mg/kg		6
01.5.2	Milk and cream powder analogues	4000 mg/kg		6
01.6.1	Unripened cheese	80 mg/kg	Note 38	6
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	5000 mg/kg		6
02.0	Fats and oils, and fat emulsions	10000 mg/kg		6
03.0	Edible ices, including sherbet and sorbet	5000 mg/kg		6
03.0	Edible ices, including sherbet and sorbet	10000 mg/kg		3
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	1000 mg/kg		3
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	3000 mg/kg		6
04.1.2.11	Fruit fillings for pastries	5000 mg/kg		6
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	500 mg/kg		6
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	30 mg/kg	Notes 7 & 100	6
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	3000 mg/kg		6

Function: Antifoaming Agent, Adjuvant, Emulsifier, Foaming Agent, Flour Treatment Agent, Stabilizer

Function: A Food Cat. No.	Intifoaming Agent, Adjuvant, Emulsifier, Foaming Agent, Flour I Food Category	Max Level	Comments	Step Year
05.1.2	Cocoa mixes (syrups)	500 mg/kg	<b></b> _	6
05.1.3	Cocoa-based spreads, including fillings	4600 mg/kg		6
05.1.4	Cocoa and chocolate products	10000 mg/kg		6
05.1.5	Imitation chocolate, chocolate substitute products	5000 mg/kg		6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	10000 mg/kg		3
05.2.1	Hard candy	10000 mg/kg		6
05.2.2	Soft candy	1000 mg/kg		6
05.2.3	Nougats and marzipans	1000 mg/kg		6
05.3	Chewing gum	20000 mg/kg		6
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	7000 mg/kg		6
06.4.2	Dried pastas and noodles and like products	5000 mg/kg		3
06.4.3	Pre-cooked pastas and noodles and like products	5000 mg/kg		3
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	3000 mg/kg		6
06.6	Batters (e.g., for breading or batters for fish or poultry)	5000 mg/kg	Note 2	6
07.1.1	Breads and rolls	3000 mg/kg		6
07.1.2	Crackers, excluding sweet crackers	5000 mg/kg	Note 11	6
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	10000 mg/kg	Note 11	6
07.1.4	Bread-type products, including bread stuffing and bread crumbs	5000 mg/kg	Note 11	6
07.1.5	Steamed breads and buns	5000 mg/kg	Note 11	6
07.1.6	Mixes for bread and ordinary bakery wares	5000 mg/kg	Note 11	6
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	5000 mg/kg		6
08.2	Processed meat, poultry, and game products in whole pieces or cuts	10000 mg/kg		6
08.3	Processed comminuted meat, poultry, and game products	10000 mg/kg		6
08.4	Edible casings (e.g., sausage casings)	1500 mg/kg		6
10.4	Egg-based desserts (e.g., custard)	5000 mg/kg		6
12.1.1	Salt	10 mg/kg		6
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	4600 mg/kg		3
12.2.1	Herbs and spices	2000 mg/kg		6
12.2.2	Seasonings and condiments	4600 mg/kg		6
12.5	Soups and broths	1000 mg/kg		6
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	5000 mg/kg		6
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	4600 mg/kg		6
12.6.3	Mixes for sauces and gravies	5000 mg/kg		6
12.6.4	Clear sauces (e.g., fish sauce)	4600 mg/kg		6
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	2000 mg/kg		6
12.8	Yeast and like products	4 mg/kg		6

6

6

Function: Antifoaming Agent, Adjuvant, Emulsifier, Foaming Agent, Flour Treatment Agent, Stabilizer				
Food Cat. No.	Food Category	Max Level	Comments	Step Year
12.9.5	Other protein products	4000 mg/kg	Note 15	6
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	1000 mg/kg		6
13.4	Dietetic formulae for slimming purposes and weight reduction	1000 mg/kg		6
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	360 mg/dos	se	6
13.6	Food supplements	790 mg/kg	Note 101	6
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	1000 mg/kg		3
14.1.4.1	Carbonated water-based flavoured drinks	500 mg/kg		6
14.1.4.2	Non-carbonated water-based flavoured drinks, including punches and ades	500 mg/kg		6
14.1.4.3	Concentrates (liquid or solid) for water-based flavoured drinks	45000 mg/kg	Note 102	6
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	120 mg/kg		6

120 mg/kg

2000 mg/kg

#### **POLYVINYL ALCOHOL**

14.2.7

16.0

Polyvinyl Alcohol INS: 1203

categories 01 - 15

Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)

Composite foods - foods that could not be placed in

Function: 0	Glazing Agent, Stabilizer		
Food Cat. No.	Food Category	Max Level Comments	Step Year
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	2000 mg/kg	3
05.1.4	Cocoa and chocolate products	15000 mg/kg	3
06.3	Breakfast cereals, including rolled oats	5000 mg/kg	3
13.6	Food supplements	45000 mg/kg	3
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	15000 mg/kg	3

# **POLYVINYLPYRROLIDONE**

Polyvinylpyrrolidone INS: 1201

Function: A	djuvant, Emulsifier, Glazing Agent, Stabilizer, Thickener					
Food Cat. No.	Food Category	Max L	evel	Comments	Step	Year
04.1.1.2	Surface-treated fresh fruit		GMP		Adopt	ed 1999
05.3	Chewing gum	10000	mg/kg		Adopt	ed 1999
11.6	Table-top sweeteners, including those containing high- intensity sweeteners	3000	mg/kg		Adopt	ed 1999
12.3	Vinegars	40	mg/kg		Adopt	ed 1999
13.6	Food supplements		GMP		Adopt	ed 1999

Function: A	djuvant, Emulsifier, Glazing Agent, Stabilizer, Thickener			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
14.1.4.3	Concentrates (liquid or solid) for water-based flavoured drinks	500 mg/kg		Adopted 1999
14.2.1	Beer and malt beverages	10 mg/kg	Note 36	Adopted 1999
14.2.2	Cider and perry	2 mg/kg	Note 36	Adopted 1999
14.2.3	Grape wines	60 mg/kg	Note 36	6

# **PONCEAU 4R**

Ponceau 4R INS: 124

Function: C	Colour			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	150 mg/kg		6
01.6.1	Unripened cheese	GMP	Note 3	6
01.6.1	Unripened cheese	100 mg/kg	Note 3	3
01.6.2.2	Rind of ripened cheese	100 mg/kg		6
01.6.3	Whey cheese	GMP	Note 3	6
01.6.3	Whey cheese	100 mg/kg	Note 3	3
01.6.4	Processed cheese	200 mg/kg		6
01.6.5	Cheese analogues	GMP	Note 3	6
01.6.5	Cheese analogues	100 mg/kg	Note 3	3
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	150 mg/kg		6
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	150 mg/kg		6
03.0	Edible ices, including sherbet and sorbet	150 mg/kg		6
04.1.1.2	Surface-treated fresh fruit	500 mg/kg	Note 16	6
04.1.2.4	Canned or bottled (pasteurized) fruit	300 mg/kg		6
04.1.2.5	Jams, jellies, marmelades	500 mg/kg		6
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/kg		6
04.1.2.7	Candied fruit	200 mg/kg		6
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	500 mg/kg		6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	150 mg/kg		6
04.1.2.11	Fruit fillings for pastries	100 mg/kg		6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	500 mg/kg	Note 16	6
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	500 mg/kg		6
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	200 mg/kg		6

Function: (	Colour	Max Level	Comments	Step Year
04.2.2.5	Vegetable (including mushrooms and fungi, roots and	100 mg/kg		6
04.2.2.3	tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	100 mg/kg		O
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	200 mg/kg		6
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	500 mg/kg		3
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	50 mg/kg		6
05.1.2	Cocoa mixes (syrups)	50 mg/kg		6
05.1.3	Cocoa-based spreads, including fillings	100 mg/kg		6
05.1.4	Cocoa and chocolate products	150 mg/kg		6
05.1.5	Imitation chocolate, chocolate substitute products	150 mg/kg		6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	300 mg/kg		6
05.3	Chewing gum	300 mg/kg		6
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500 mg/kg		6
06.3	Breakfast cereals, including rolled oats	200 mg/kg		6
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	150 mg/kg		6
07.0	Bakery wares	200 mg/kg		6
08.1	Fresh meat, poultry, and game	500 mg/kg	Note 16	6
08.2	Processed meat, poultry, and game products in whole pieces or cuts	30 mg/kg		6
08.3.1.1	Cured (including salted) non-heat treated processed comminuted meat, poultry, and game products	250 mg/kg		6
08.3.1.2	Cured (including salted) and dried non-heat treated processed comminuted meat, poultry, and game products	200 mg/kg		6
08.3.1.3	Fermented non-heat treated processed comminuted meat, poultry, and game products	30 mg/kg		6
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	200 mg/kg		6
08.3.3	Frozen processed comminuted meat, poultry, and game products	200 mg/kg		6
08.4	Edible casings (e.g., sausage casings)	500 mg/kg	Note 16	6
09.1.1	Fresh fish	300 mg/kg	Note 50	6
09.1.2	Fresh mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg		6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.4.1	Cooked fish and fish products	500 mg/kg		6
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	250 mg/kg		6
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6

Colour

Function:

13.4

13.5

13.6

14.1.4

14.2.2

14.2.4

14.2.6

14.2.7

15.1

15.2

16.0

Food Cat. No.	Food Category	Max Level	Comments	Step Year
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 22	6
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	500 mg/kg	Note 16	6
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	500 mg/kg	Note 16	6
09.3.3	Salmon substitutes, caviar, and other fish roe products	500 mg/kg		6
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3	500 mg/kg		6
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg		6
10.1	Fresh eggs	GMP	Notes 3 & 4	6
10.1	Fresh eggs	500 mg/kg	Notes 3 & 4	3
10.4	Egg-based desserts (e.g., custard)	100 mg/kg		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	200 mg/kg		6
11.6	Table-top sweeteners, including those containing high- intensity sweeteners	200 mg/kg		6
12.2.2	Seasonings and condiments	500 mg/kg		6
12.4	Mustards	300 mg/kg		6
12.5	Soups and broths	300 mg/kg		6
12.6	Sauces and like products	500 mg/kg		6
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	200 mg/kg		6
12.9.5	Other protein products	100 mg/kg		6
12.10.3	Fermented soybean paste (e.g., miso)	200 mg/kg		6
13.3	Dietetic foods intended for special medical purposes	50 mg/kg		6

(excluding products of food category 13.1)

Dietetic formulae for slimming purposes and weight

6

50 mg/kg

## **POTASSIUM ACETATES**

Potassium Acetates INS: 261

Function: A	cidity Regulator					
Food Cat. No.	Food Category	Max Level	Comments	Step	Year	
02.1	Fats and oils essentially free from water	GMP		6		
02.2.1.1	Butter and concentrated butter	GMP	Note 52	6		
13.1.3	Formulae for special medical purposes for infants	GMP		3		
13.2	Complementary foods for infants and young children	GMP		6		

#### **POTASSIUM ALGINATE**

Potassium Alginate INS: 402

Function: E	mulsifier, Stabilizer, Thickener					
Food Cat. No.	Food Category	Max L	evel	Comments	Step \	′ear
01.1.1.2	Buttermilk (plain)	6000	mg/kg		6	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	5000	mg/kg		6	
01.4.1	Pasteurized cream (plain)	1000	mg/kg		6	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000	mg/kg		6	
02.1	Fats and oils essentially free from water		GMP		6	
02.2.1.1	Butter and concentrated butter		GMP	Note 52	6	
04.1.1.2	Surface-treated fresh fruit		GMP		6	
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6	
06.4.2	Dried pastas and noodles and like products		GMP		6	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	5000	mg/kg		6	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000	mg/kg		6	
13.1.1	Infant formulae	300	mg/kg		6	
13.1.3	Formulae for special medical purposes for infants	500	mg/kg		3	
13.2	Complementary foods for infants and young children	5000	mg/kg		6	
14.2.3.2	Sparkling and semi-sparkling grape wines		GMP		6	

## **POTASSIUM ASCORBATE**

Potassium Ascorbate INS: 303

Function: A	Antioxidant				
Food Cat. No.	Food Category	Max Level	Comments	Step Yea	ır
02.1	Fats and oils essentially free from water	GMP		6	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	6	
04.1.1	Fresh fruit	GMP		6	
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Function:	Antioxidant
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Food Cat. No.	Food Category	Max Level	Comments	Step Year
06.2.1	Flours	300 mg/kg		6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg	Note 70	6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 99	6
13.1.2	Follow-up formulae	50 mg/kg		6
13.2	Complementary foods for infants and young children	500 mg/kg	Note 70	6
14.1.2.1	Fruit juice	GMP		7
14.1.2.2	Vegetable juice	GMP		3
14.1.2.3	Concentrates for fruit juice	GMP	Note 127	7
14.1.2.4	Concentrates for vegetable juice	GMP		3
14.1.3.1	Fruit nectar	GMP		7
14.1.3.2	Vegetable nectar	GMP		3
14.1.3.3	Concentrates for fruit nectar	GMP	Note 127	7
14.1.3.4	Concentrates for vegetable nectar	GMP		3
14.2.3	Grape wines	GMP		6

# **POTASSIUM CARBONATE**

Potassium Carbonate

INS: 501i

Function: A	cidity Regulator, Stabilizer					
Food Cat. No.	Food Category	Max L	.evel	Comments	Step	Year
01.4.1	Pasteurized cream (plain)		GMP		6	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)		GMP		6	
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10		GMP		3	
06.4.1	Fresh pastas and noodles and like products		GMP		3	
06.4.2	Dried pastas and noodles and like products	2600	mg/kg		6	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		3	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 41	6	
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)		GMP	Note 51	3	
13.1	Infant formulae, follow-up formulae, and formulae for special medical purposes for infants		GMP		3	
13.1.1	Infant formulae		GMP		6	
13.1.2	Follow-up formulae		GMP		6	
13.2	Complementary foods for infants and young children		GMP		6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa		GMP		3	
14.2.3	Grape wines	5000	mg/kg		6	

## **POTASSIUM CHLORIDE**

Potassium Chloride INS: 508

Food Cat. No.	Food Category	Max L	evel	Comments	Step	Year
01.4.1	Pasteurized cream (plain)		GMP		6	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)		GMP		6	
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10		GMP		3	
06.4.2	Dried pastas and noodles and like products		GMP		3	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts		GMP		6	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		3	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	30000	mg/kg		6	
12.1.1	Salt	350	mg/kg		3	
12.1.2	Salt Substitutes		GMP		3	
12.2.1	Herbs and spices		GMP	Note 51	3	
13.1.1	Infant formulae		GMP		6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa		GMP		3	

# POTASSIUM DIHYDROGEN CITRATE

Potassium Dihydrogen Citrate INS: 332i

Function: A	cidity Regulator, Antioxidant, Emulsifier, Sequestrant, Stabilizer			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.1.2	Buttermilk (plain)	GMP		6
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		6
01.2.2	Renneted milk (plain)	GMP		6
01.4.1	Pasteurized cream (plain)	GMP		6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		6
02.1	Fats and oils essentially free from water	GMP		6
02.2.1.1	Butter and concentrated butter	GMP	Note 52	6
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP	Note 16	6
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP		6
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	6
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		6
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
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Function:	Acidity Regulator.	Antioxidant, I	Emulsifier.	Sequestrant, Stabilizer

Food Cat. No.	Food Category	Max L	evel	Comments	Step	Year
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 61	6	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 61	6	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)		GMP		6	
12.1.2	Salt Substitutes		GMP		6	
12.2.1	Herbs and spices		GMP	Note 51	6	
13.1.1	Infant formulae		GMP		6	
13.1.1	Infant formulae	2	mg/kg		3	
13.1.2	Follow-up formulae		GMP		6	
13.1.2	Follow-up formulae	2	mg/kg		3	
13.1.3	Formulae for special medical purposes for infants		GMP		3	
13.2	Complementary foods for infants and young children		GMP		6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa		GMP		6	

## POTASSIUM HYDROGEN CARBONATE

Potassium Hydrogen Carbonate INS: 501ii

Function: A	cidity Regulator, Raising Agent, Stabilizer					
Food Cat. No.	Food Category	Max Le	evel	Comments	Step	Year
01.4.1	Pasteurized cream (plain)	2000 1	mg/kg		6	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	(	GMP		6	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	(	GMP	Note 41	6	
13.1.1	Infant formulae	(	GMP		6	
13.1.2	Follow-up formulae	(	GMP		6	
13.1.3	Formulae for special medical purposes for infants	(	GMP		3	
13.2	Complementary foods for infants and young children	(	GMP		6	
14.2.3	Grape wines	5000	mg/kg		6	

## **POTASSIUM HYDROXIDE**

Potassium Hydroxide INS: 525

Function: A	cidity Regulator, Stabilizer, Thickener				
Food Cat. No.	Food Category	Max Level	Comments	Step	Year
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP		6	

Food Cat. No.	Food Category	Max Level	Comments	Step Y	⁄ear
13.1.1	Infant formulae	GMP		6	
13.1.2	Follow-up formulae	GMP		6	
13.1.3	Formulae for special medical purposes for infants	GMP		3	
13.2	Complementary foods for infants and young children	GMP		6	

Potassium Lactate (Solution) INS: 326 Potassium Lactate (Solution) INS: 326

Function: A	cidity Regulator, Antioxidant			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.1.2	Buttermilk (plain)	GMP		6
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		6
01.4.1	Pasteurized cream (plain)	GMP		6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		6
02.1	Fats and oils essentially free from water	GMP		6
02.2.1.1	Butter and concentrated butter	GMP	Note 52	6
08.1	Fresh meat, poultry, and game	20000 mg/kg	9	6
13.1.3	Formulae for special medical purposes for infants	GMP		3
13.2	Complementary foods for infants and young children	GMP		6

# **POWDERED CELLULOSE**

Powdered Cellulose INS: 460ii

Function: A	anticaking Agent, Bulking Agent, Emulsifier, Stabilizer, Thickener			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.1.2	Buttermilk (plain)	GMP		6
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		6
01.2.2	Renneted milk (plain)	GMP		6
01.4.1	Pasteurized cream (plain)	GMP		6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		6
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP	Note 16	6
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP		6
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	6
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		6
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6
			Page 190 of	264

Function:	Anticaking Agent, Bulking A	Agent, Emulsifier, Stabilizer, Thickener
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Food Cat. No.	Food Category	Max Level	Comments	Step Year
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		6
12.1.2	Salt Substitutes	GMP		6
12.2.1	Herbs and spices	GMP	Note 51	6
13.1.1	Infant formulae	GMP		6
13.1.2	Follow-up formulae	GMP		6
13.2	Complementary foods for infants and young children	GMP		6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		6

#### PROCESSED EUCHEUMA SEAWEED

Processed Eucheuma Seaweed

INS: 407a

Function: S	Stabilizer, Thickener			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.1	Milk and buttermilk (plain)	GMP		3
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	5000 mg/kg		6
01.4.1	Pasteurized cream (plain)	GMP		6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000 mg/kg		6
02.1	Fats and oils essentially free from water	GMP		6
02.2.1.1	Butter and concentrated butter	GMP	Note 52	6
04.1.1.2	Surface-treated fresh fruit	GMP		6
04.1.1.3	Peeled or cut fresh fruit	GMP		3
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP		6
04.2.1.3	Peeled, cut or shredded fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP		3
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP		3
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	GMP		3
06.4.1	Fresh pastas and noodles and like products	GMP		3
06.4.2	Dried pastas and noodles and like products	8330 mg/kg	Note 37	6
			Page 191 of	264

Function: Stabilizer, Thickener

Food Cat. No.	Food Category	Max L	evel	Comments	Step	Year
08.1	Fresh meat, poultry, and game		GMP		3	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		3	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	5000	mg/kg		6	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	5000	mg/kg		6	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms		GMP		6	
09.2.4.1	Cooked fish and fish products	5000	mg/kg		6	
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms		GMP		3	
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		3	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		3	
10.2.1	Liquid egg products		GMP		3	
10.2.2	Frozen egg products		GMP		3	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)		GMP		3	
12.2.1	Herbs and spices		GMP	Note 51	6	
13.1.1	Infant formulae	1000	mg/kg		6	
13.1.2	Follow-up formulae	1000	mg/kg		6	
13.2	Complementary foods for infants and young children		GMP		3	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa		GMP		6	

# **PROPYLENE GLYCOL**

Propylene Glycol INS: 1520

Function: Anticaking Agent, Adjuvant, Antifoaming Agent, Carrier Solvent, Emulsifier, Flour Treatment Agent, Humectant, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step Yea	ar
01.6.1	Unripened cheese	6000 mg/kg		6	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	25000 mg/kg		6	
03.0	Edible ices, including sherbet and sorbet	25000 mg/kg		6	
04.1.2.2	Dried fruit	50000 mg/kg		6	
04.1.2.7	Candied fruit	50000 mg/kg		6	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	200000 mg/kg		6	
04.1.2.11	Fruit fillings for pastries	200000 mg/kg		6	
04.2.1	Fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	50000 mg/kg		6	
04.2.2	Processed vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	50000 mg/kg	Note 79	6	
05.0	Confectionery	240000 mg/kg		6	

Function: Anticaking Agent, Adjuvant, Antifoaming Agent, Carrier Solvent, Emulsifier, Flour Treatment Agent, Humectant, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step Year
06.4.1	Fresh pastas and noodles and like products	20000 mg/kg	9	6
06.4.3	Pre-cooked pastas and noodles and like products	20000 mg/kg	9	3
06.6	Batters (e.g., for breading or batters for fish or poultry)	500 mg/kզ	Note 72	6
07.1	Bread and ordinary bakery wares	10000 mg/kg	)	6
07.2.1	Cakes, cookes and pies (e.g., fruit-filled or custard types)	50000 mg/kg	)	6
07.2.2	Other fine bakery products (e.g., doughnuts, sweet rolls, scones, and muffins)	10000 mg/kg		6
07.2.3	Mixes for fine bakery wares (e.g., cakes, pancakes)	10000 mg/kg	9	6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	20000 mg/kg	Note 22	6
11.6	Table-top sweeteners, including those containing high- intensity sweeteners	GMP		6
12.1.1	Salt	350 mg/kg	9	6
12.2.2	Seasonings and condiments	970000 mg/kg	9	6
12.4	Mustards	15000 mg/kg	9	6
12.5.2	Mixes for soups and broths	500 mg/kg	Note 127	6
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	800 mg/kg	9	6
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	500 mg/kg	9	6
13.6	Food supplements	2000 mg/kg	9	3
14.1.4.1	Carbonated water-based flavoured drinks	3000 mg/kg	9	6
14.1.4.2	Non-carbonated water-based flavoured drinks, including punches and ades	3000 mg/kg	9	6
14.1.4.3	Concentrates (liquid or solid) for water-based flavoured drinks	200000 mg/kg		6
14.2	Alcoholic beverages, including alcohol-free and low- alcoholic counterparts	50000 mg/kg	)	6
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	300 mg/kg	)	6
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	50000 mg/kg	9	6

## PROPYLENE GLYCOL ALGINATE

Propylene Glycol Alginate INS: 405

Function: A	djuvant, Bulking Agent, Emulsifier, Stabilizer, Thickener		
Food Cat. No.	Food Category	Max Level Comments	Step Year
01.1.1.2	Buttermilk (plain)	3000 mg/kg	6
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	5000 mg/kg	6
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	10000 mg/kg	3
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	10000 mg/kg	3
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	5000 mg/kg	6

Function: Adjuvant, Bulking Agent, Emulsifier, Stabilizer, Thickener

					Step	Year
01.3.2 Beverage w	hiteners	5000	mg/kg		6	
01.4.3 Clotted crea	m (plain)	5000	mg/kg		6	
01.4.4 Cream anal	ogues	2500	mg/kg		6	
01.6.1 Unripened of	heese	9000	mg/kg		6	
01.6.2.1 Ripened che	eese, includes rind	9000	mg/kg		6	
01.6.2.2 Rind of riper	ned cheese	9000	mg/kg		6	
01.6.2.3 Cheese pow	der (for reconstitution; e.g., for cheese sauces)	16000	mg/kg		6	
01.6.3 Whey chees	se	9000	mg/kg		6	
01.6.4 Processed of	cheese	9000	mg/kg		6	
01.6.5 Cheese ana	logues	9000	mg/kg		6	
01.6.6 Whey protei	n cheese	9000	mg/kg		6	
01.7 Dairy-based yoghurt)	desserts (e.g., pudding, fruit or flavoured	10000	mg/kg		6	
02.1 Fats and oils	s essentially free from water	11000	mg/kg		6	
02.2.1 Emulsions of	ontaining at least 80% fat	3000	mg/kg		6	
02.2.2 Emulsions of	ontaining less than 80% fat	10000	mg/kg		6	
	ns maily of type oil-in-water, including mixed ured products based on fat emulsions	3000	mg/kg		6	
02.4 Fat-based d of food cate	esserts excluding dairy-based dessert products gory 01.7	10000	mg/kg		6	
03.0 Edible ices,	including sherbet and sorbet	7500	mg/kg		6	
03.0 Edible ices,	including sherbet and sorbet	10000	mg/kg		3	
04.1.1.2 Surface-trea	ated fresh fruit	10000	mg/kg		3	
04.1.1.3 Peeled or cu	ut fresh fruit	10000	mg/kg		3	
04.1.2.1 Frozen fruit		10000	mg/kg		6	
04.1.2.5 Jams, jellies	s, marmelades	20000	mg/kg		6	
04.1.2.8 Fruit prepara coconut milk	ations, including pulp, purees, fruit toppings and		mg/kg		6	
04.1.2.9 Fruit-based desserts	desserts, including fruit-flavoured water-based	10000	mg/kg		6	
04.1.2.11 Fruit fillings	for pastries	7500	mg/kg		6	
fungi, roots	ated fresh vegetables (including mushrooms and and tubers, pulses and legumes, and aloe eeds, and nuts and seeds	10000	mg/kg		3	
	etables (including mushrooms and fungi, roots pulses and legumes, and aloe vera), seaweeds, d seeds	10000	mg/kg		3	
tubers, pulse	(including mushrooms and fungi, roots and es and legumes, and aloe vera) and seaweeds oil, brine, or soy sauce	6000	mg/kg		6	
04.2.2.4 Canned or b	oottled (pasteurized) or retort pouch vegetables ushrooms and fungi, roots and tubers, pulses s, and aloe vera), and seaweeds	10000	mg/kg	Note 39	6	
04.2.2.5 Vegetable (i tubers, pulse	ncluding mushrooms and fungi, roots and es and legumes, and aloe vera), seaweed, and d purees and spreads (e.g., peanut butter)	10000	mg/kg		3	

Function: Adjuvant, Bulking Agent, Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step Year
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	5000 mg/k	g	6
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	10000 mg/k	g	3
05.1	Cocoa products and chocolate products including imitations and chocolate substitutes	5000 mg/k	g	6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	5000 mg/k	g	6
05.3	Chewing gum	10000 mg/k	g	6
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	7500 mg/k	g	6
06.4.1	Fresh pastas and noodles and like products	10000 mg/k	g	3
06.4.2	Dried pastas and noodles and like products	1000 mg/k	g	3
06.4.3	Pre-cooked pastas and noodles and like products	5000 mg/k	g	6
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	10000 mg/k	g	6
07.0	Bakery wares	5000 mg/k	g	6
08.3	Processed comminuted meat, poultry, and game products	5000 mg/k	g	6
08.4	Edible casings (e.g., sausage casings)	20000 mg/k	g	6
10.2.1	Liquid egg products	10000 mg/k	g	3
10.2.2	Frozen egg products	10000 mg/k	g	3
10.4	Egg-based desserts (e.g., custard)	10000 mg/k	g	6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	5000 mg/k	g	6
12.2.2	Seasonings and condiments	6000 mg/k	g	6
12.5	Soups and broths	GMP		6
12.5	Soups and broths	10000 mg/k	g	3
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	10000 mg/k	g	6
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	8000 mg/k	g	6
12.6.3	Mixes for sauces and gravies	8000 mg/k	g	6
12.6.4	Clear sauces (e.g., fish sauce)	8000 mg/k	g	6
13.1.1	Infant formulae	10000 mg/k	g	3
13.1.2	Follow-up formulae	10000 mg/k	g	3
13.1.3	Formulae for special medical purposes for infants	200 mg/k	g	6
13.2	Complementary foods for infants and young children	10000 mg/k	g	3
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	1200 mg/k	g	6
13.4	Dietetic formulae for slimming purposes and weight reduction	1200 mg/k	g	6
13.6	Food supplements	1000 mg/k	g	6
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	500 mg/k	g	6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	10000 mg/k	g	3

Function: Adjuvant, Bulking Agent, Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level Commer	nts Step Year
14.2.1	Beer and malt beverages	3000 mg/kg	6
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	10000 mg/kg	6
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	3000 mg/kg	6

## PROPYLENE GLYCOL ESTERS OF FATTY ACIDS

Propylene Glycol Esters of Fatty Acids INS: 477

Function: E	mulsifier, Stabilizer		
Food Cat. No.	Food Category	Max Level Co	omments Step Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	5000 mg/kg	Adopted 2001
01.3.2	Beverage whiteners	1000 mg/kg	Adopted 2001
01.4.4	Cream analogues	5000 mg/kg N	Note 86 Adopted 2001
01.5.2	Milk and cream powder analogues	100000 mg/kg	Adopted 2001
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	5000 mg/kg	Adopted 2001
02.1	Fats and oils essentially free from water	10000 mg/kg	Adopted 2001
02.2.1.2	Margarine and similar products	20000 mg/kg	Adopted 2001
02.2.1.3	Blends of butter and margarine	10000 mg/kg	3
02.2.2	Emulsions containing less than 80% fat	20000 mg/kg	Adopted 2001
02.3	Fat emulsions maily of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	30000 mg/kg	Adopted 2001
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	10000 mg/kg	Adopted 2001
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	40000 mg/kg	6
03.0	Edible ices, including sherbet and sorbet	5000 mg/kg	Adopted 2001
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	40000 mg/kg	Adopted 2001
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	40000 mg/kg	Adopted 2001
04.1.2.11	Fruit fillings for pastries	40000 mg/kg	Adopted 2001
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	5000 mg/kg	Adopted 2001
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	5000 mg/kg	Adopted 2001
05.3	Chewing gum	20000 mg/kg	Adopted 2001
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	40000 mg/kg	Adopted 2001
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	40000 mg/kg	Adopted 2001
07.0	Bakery wares		Notes 11 & Adopted 2001 72
10.4	Egg-based desserts (e.g., custard)	40000 mg/kg	Adopted 2001

Adopted 2001

Function: E	mulsifier, Stabilizer			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	5000 mg/kg		Adopted 2001
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	5000 mg/kg		Adopted 2001
13.4	Dietetic formulae for slimming purposes and weight	5000 mg/kg		Adopted 2001

500 mg/kg

Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks

# PROTEASE (A. ORYZAE VAR.)

reduction

14.1.4

Protease (Asperigillus oryzae var.) INS: 1101i

Function: E	nzyme, Flavour Enhancer, Flour Treatment Agent, Glazing Agent			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
06.1	Whole, broken, or flaked grain, including rice	GMP		6
06.2.1	Flours	GMP		Adopted 1999
08.1	Fresh meat, poultry, and game	GMP		6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		6
14.2.3	Grape wines	GMP		6

#### **QUILLAIA EXTRACT**

Quillaia Extract INS: 999

Function: F	oaming Agent			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	100 mg/kg		Adopted 2004
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	500 mg/kg		6

## **QUINOLINE YELLOW**

Quinoline Yellow INS: 104

Function: C	olour			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	150 mg/k	ĸg	6
01.6.1	Unripened cheese	GMF	Note 3	6
01.6.2.2	Rind of ripened cheese	GMF	•	6
01.6.3	Whey cheese	GMF	Note 3	6
01.6.4	Processed cheese	200 mg/l	κg	6
01.6.5	Cheese analogues	GMF	Note 3	6
			Page 197 c	f 264

Function:	Co	lour

Function: C	colour			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	150 mg/kg		6
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	150 mg/kg		6
03.0	Edible ices, including sherbet and sorbet	150 mg/kg		6
04.1.1.2	Surface-treated fresh fruit	500 mg/kg	Note 16	6
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg		6
04.1.2.5	Jams, jellies, marmelades	500 mg/kg		6
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/kg		6
04.1.2.7	Candied fruit	200 mg/kg		6
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	500 mg/kg		6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	150 mg/kg		6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	500 mg/kg	Note 16	6
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	500 mg/kg		6
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	200 mg/kg		6
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	100 mg/kg		6
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	200 mg/kg		6
05.1	Cocoa products and chocolate products including imitations and chocolate substitutes	300 mg/kg		6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	300 mg/kg		6
05.3	Chewing gum	300 mg/kg		6
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500 mg/kg		6
06.3	Breakfast cereals, including rolled oats	200 mg/kg		6
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	150 mg/kg		6
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	200 mg/kg		6
08.0	Meat and meat products, including poultry and game	500 mg/kg	Note 16	6
09.1.1	Fresh fish	300 mg/kg	Note 50	6
09.1.2	Fresh mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 95	6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.4.1	Cooked fish and fish products	500 mg/kg		6
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	250 mg/kg		6

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Food Cat. No.	Food Category	Max Level	Comments	Step Year
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 22	6
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	500 mg/kg	Note 16	6
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	500 mg/kg	Note 16	6
09.3.3	Salmon substitutes, caviar, and other fish roe products	500 mg/kg		6
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3	500 mg/kg		6
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg		6
10.1	Fresh eggs	GMP	Notes 3 & 4	6
10.4	Egg-based desserts (e.g., custard)	150 mg/kg		6
12.2.2	Seasonings and condiments	500 mg/kg		6
12.4	Mustards	300 mg/kg		6
12.5	Soups and broths	300 mg/kg		6
12.6	Sauces and like products	500 mg/kg		6
12.9.5	Other protein products	100 mg/kg		6
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	50 mg/kg		6
13.4	Dietetic formulae for slimming purposes and weight reduction	50 mg/kg		6
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	300 mg/kg		6
13.6	Food supplements	300 mg/kg		6
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	100 mg/kg		6
14.2.2	Cider and perry	200 mg/kg		6
14.2.4	Wines (other than grape)	200 mg/kg		6
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	200 mg/kg		6
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	200 mg/kg		6
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	200 mg/kg		6
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	100 mg/kg		6
16.0	Composite foods - foods that could not be placed in categories 01 - 15	500 mg/kg		6
DED 2C				
RED 2G Red 2G	INS: 128			
Reu 2G	1113. 120			
Function: C	Colour			
Food Cat. No.	Food Category	Max Level	Comments	Step Year

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Function:	Colour		
Food Cat. No	. Food Category	Max Level Comments	Step Year
08.1.2	Fresh meat, poultry, and game, comminuted		6
10.1	Fresh eggs	GMP Notes 3 &	4 6
14.2.6	Distilled spirituous beverages containing more than 15%	GMP	6
14.2.7	alcohol Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	GMP	6
RIBOFL	AVINS		
Riboflavin 5	5'-Phosphate, Sodium INS: 101i Riboflavir	n 5'-Phosphate	INS: 101ii
Function:	Colour		
Food Cat. No	. Food Category	Max Level Comments	Step Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	GMP	6
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	300 mg/kg	3
01.3.2	Beverage whiteners	GMP	6
01.3.2	Beverage whiteners	300 mg/kg	3
01.4	Cream (plain) and the like	GMP	6
01.4	Cream (plain) and the like	300 mg/kg	3
01.5.2	Milk and cream powder analogues	GMP	6
01.5.2	Milk and cream powder analogues	300 mg/kg	3
01.6.1	Unripened cheese	GMP	6
01.6.1	Unripened cheese	300 mg/kg	3
01.6.2.1	Ripened cheese, includes rind	GMP	6
01.6.2.1	Ripened cheese, includes rind	300 mg/kg	3
01.6.2.2	Rind of ripened cheese	GMP	6
01.6.2.2	Rind of ripened cheese	300 mg/kg	3
01.6.3	Whey cheese	GMP Note 3	6
01.6.3	Whey cheese	300 mg/kg Note 3	3
01.6.4	Processed cheese	GMP	6
01.6.4	Processed cheese	300 mg/kg	3
01.6.5	Cheese analogues	GMP	6
01.6.5	Cheese analogues	300 mg/kg	3
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	GMP	6
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	300 mg/kg	3
02.0	Fats and oils, and fat emulsions	GMP	6
02.0	Fats and oils, and fat emulsions	300 mg/kg	3
03.0	Edible ices, including sherbet and sorbet	500 mg/kg	6
04.1.1.2	Surface-treated fresh fruit	GMP Note 16	6

Function: C	Colour			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
04.1.1.2	Surface-treated fresh fruit	300 mg	/kg Note 16	3
04.1.2.3	Fruit in vinegar, oil, or brine	GM	Р	6
04.1.2.3	Fruit in vinegar, oil, or brine	300 mg	/kg	3
04.1.2.4	Canned or bottled (pasteurized) fruit	GM	Р	6
04.1.2.4	Canned or bottled (pasteurized) fruit	300 mg	/kg	3
04.1.2.5	Jams, jellies, marmelades	200 mg	/kg	6
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg	/kg	6
04.1.2.7	Candied fruit	GM	P	6
04.1.2.7	Candied fruit	300 mg	/kg	3
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	GM	Р	6
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	300 mg	/kg	3
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	GM	Р	6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	300 mg	/kg	3
04.1.2.11	Fruit fillings for pastries	GM	Р	6
04.1.2.11	Fruit fillings for pastries	300 mg	/kg	3
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GM	P Note 16	6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	300 mg.	/kg Note 16	3
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	10 mg.	/kg	6
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	500 mg.	/kg	6
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	GM	Р	6
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	300 mg.	/kg	3
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	GM	P	6
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	300 mg.	/kg	3
05.1	Cocoa products and chocolate products including imitations and chocolate substitutes	1000 mg	/kg	3
05.1.3	Cocoa-based spreads, including fillings	GM	Р	6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GM		6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	1000 mg	/kg	3

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Function: C	Colour				
Food Cat. No.	Food Category	Max L	evel	Comments	Step Year
05.3	Chewing gum	1000	mg/kg		6
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces		GMP		6
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	1000	mg/kg		3
06.3	Breakfast cereals, including rolled oats		GMP		6
06.3	Breakfast cereals, including rolled oats	300	mg/kg		3
06.4.2	Dried pastas and noodles and like products		GMP		6
06.4.2	Dried pastas and noodles and like products	300	mg/kg		3
06.4.3	Pre-cooked pastas and noodles and like products		GMP		6
06.4.3	Pre-cooked pastas and noodles and like products	300	mg/kg		3
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)		GMP		6
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	300	mg/kg		3
06.6	Batters (e.g., for breading or batters for fish or poultry)		GMP		6
06.6	Batters (e.g., for breading or batters for fish or poultry)	300	mg/kg		3
07.0	Bakery wares		GMP		6
07.0	Bakery wares	300	mg/kg		3
08.0	Meat and meat products, including poultry and game	1000	mg/kg		6
09.1.1	Fresh fish		GMP	Note 50	6
09.1.2	Fresh mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 95	6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	300	mg/kg	Note 16	3
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	300	mg/kg	Note 16	3
09.2.4.1	Cooked fish and fish products		GMP 		6
09.2.4.1	Cooked fish and fish products	300	mg/kg		3
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms		GMP		6
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	300	mg/kg	Note 16	3
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms		GMP 	Note 22	6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	300	mg/kg	Note 22	3
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	222	GMP	Note 16	6
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	300	mg/kg	Note 16	3
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	222	GMP	Note 16	6
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	300	mg/kg	Note 16	3

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Facal Car No				O	C4	
Food Cat. No.	Food Category	Max L	evel	Comments	Step	Yea
09.3.3	Salmon substitutes, caviar, and other fish roe products		GMP		6	
09.3.3	Salmon substitutes, caviar, and other fish roe products	300	mg/kg		3	
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3		GMP		6	
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3	300	mg/kg		3	
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500	mg/kg		6	
10.1	Fresh eggs		GMP	Notes 3 & 4	6	
10.1	Fresh eggs	300	mg/kg	Notes 3 & 4	3	
10.4	Egg-based desserts (e.g., custard)		GMP		6	
10.4	Egg-based desserts (e.g., custard)	300	mg/kg		3	
11.3	Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3		GMP		6	
11.3	Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3	300	mg/kg		3	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)		GMP		6	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	300	mg/kg		3	
12.2.2	Seasonings and condiments		GMP		6	
12.2.2	Seasonings and condiments	350	mg/kg		3	
12.4	Mustards		GMP		6	
12.4	Mustards	300	mg/kg		3	
12.5.1	Ready-to-eat soups and broths, including canned, bottled, and frozen	200	mg/kg		6	
12.5.2	Mixes for soups and broths	150	mg/kg		6	
12.6	Sauces and like products		GMP		6	
12.6	Sauces and like products	350	mg/kg		3	
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3		GMP		6	
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	300	mg/kg		3	
12.9.5	Other protein products		GMP		6	
12.9.5	Other protein products	300	mg/kg		3	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)		GMP		6	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	300	mg/kg		3	
13.4	Dietetic formulae for slimming purposes and weight reduction		GMP		6	
13.4	Dietetic formulae for slimming purposes and weight reduction	300	mg/kg		3	
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	0.00	GMP		6	
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	300	mg/kg		3	

Food Cat. No.	Food Category	Max Level	Comments Step Year
13.6	Food supplements	GMP	6
13.6	Food supplements	300 mg/kg	3
14.1.3.2	Vegetable nectar	GMP	6
14.1.3.2	Vegetable nectar	300 mg/kg	3
14.1.3.4	Concentrates for vegetable nectar	GMP	6
14.1.3.4	Concentrates for vegetable nectar	300 mg/kg	3
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	50 mg/kg	6
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	100 mg/kg	3
14.2.2	Cider and perry	GMP	6
14.2.2	Cider and perry	300 mg/kg	3
14.2.3.2	Sparkling and semi-sparkling grape wines	GMP	6
14.2.3.2	Sparkling and semi-sparkling grape wines	300 mg/kg	3
14.2.3.3	Fortified grape wine, grape liquor wine, and sweet grape wine	GMP	6
14.2.3.3	Fortified grape wine, grape liquor wine, and sweet grape wine	300 mg/kg	
14.2.4	Wines (other than grape)	GMP	6
14.2.4	Wines (other than grape)	300 mg/kg	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	GMP	6
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	100 mg/kg	6
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	300 mg/kg	3
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	GMP	6
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	1000 mg/kg	3
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	GMP	6
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	1000 mg/kg	3
16.0	Composite foods - foods that could not be placed in categories 01 - 15	GMP	6
16.0	Composite foods - foods that could not be placed in categories 01 - 15	300 mg/kg	3
SACCHA	RIN		
Saccharin		and Sodium, Pot ts)	assium, INS: 954
Function: F	Flavour Enhancer, Sweetener		
Food Cat. No.		Max Level	Comments Step Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	400 mg/kg	6
01.2.1	Fermented milks (plain)	200 mg/kg	6
0			

Function:	Flavour Enhancer	, Sweetener
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Food Cat. No.	Food Category	Max Level	Comments	Step Yea
01.6.1	Unripened cheese	100 mg/kg	J	6
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	200 mg/kg	J	6
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	100 mg/kg	1	6
03.0	Edible ices, including sherbet and sorbet	300 mg/kg	J	6
04.1.2.3	Fruit in vinegar, oil, or brine	160 mg/kg	1	6
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg	J	6
04.1.2.5	Jams, jellies, marmelades	200 mg/kg	J	6
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	200 mg/kg	1	6
04.1.2.7	Candied fruit	500 mg/kg	J	6
04.1.2.7	Candied fruit	5000 mg/kg	J	3
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	200 mg/kg		6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	100 mg/kg		6
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	500 mg/kç	J	6
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	500 mg/kg	J	6
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	2000 mg/kg	1	6
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	500 mg/kg	J	6
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	500 mg/kg	J	6
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	500 mg/kg	J	6
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	500 mg/kg	1	6
04.2.2.8	Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	500 mg/kg	J	6
05.1	Cocoa products and chocolate products including imitations and chocolate substitutes	500 mg/kg	J	6
05.2.1	Hard candy	3000 mg/kg	J	6
05.2.2	Soft candy	500 mg/kg	J	6
05.2.3	Nougats and marzipans	500 mg/kg	1	6
05.3	Chewing gum	3000 mg/kg	1	6
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500 mg/kg	J	6
06.3	Breakfast cereals, including rolled oats	100 mg/kզ	J	6

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Function: Flavour Enhancer, Sweetener

Function: FI	avour Enhancer, Sweetener			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	15 mg	/kg	6
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	2000 mg	/kg	6
08.2.1.1	Cured (including salted) non-heat treated processed meat, poultry, and game products in whole pieces or cuts	2000 mg	/kg	6
08.2.2	Heat-treated processed meat, poultry, and game products in whole pieces or cuts	500 mg	/kg	6
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	500 mg	/kg	6
09.2.4.1	Cooked fish and fish products	500 mg	/kg	6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	1200 mg	/kg	6
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	160 mg	/kg	6
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	2000 mg	/kg	6
09.3.3	Salmon substitutes, caviar, and other fish roe products	160 mg	/kg	6
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3	1200 mg	/kg	6
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg	/kg	6
10.4	Egg-based desserts (e.g., custard)	100 mg	/kg	6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	300 mg	/kg	6
11.6	Table-top sweeteners, including those containing high- intensity sweeteners	4545 mg	/kg	6
12.3	Vinegars	300 mg	/kg	6
12.4	Mustards	320 mg	/kg	6
12.5	Soups and broths	110 mg	/kg	6
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	500 mg	/kg	6
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	160 mg	/kg	6
12.6.3	Mixes for sauces and gravies	300 mg	/kg	6
12.6.4	Clear sauces (e.g., fish sauce)	160 mg	/kg	6
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	200 mg.	/kg	6
12.9.1.3	Other soybean protein products (including non-fermented soy sauce)	500 mg	/kg	6
13.1.3	Formulae for special medical purposes for infants	200 mg	/kg	3
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	300 mg	/kg	6
13.4	Dietetic formulae for slimming purposes and weight reduction	300 mg	/kg	6
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	500 mg		6
13.6	Food supplements	1200 mg	/kg	6
14.1.2.4	Concentrates for vegetable juice	300 mg	/kg	6
14.1.3.1	Fruit nectar	80 mg	/kg	7
14.1.3.3	Concentrates for fruit nectar	80 mg	/kg Note 127	7
14.1.3.4	Concentrates for vegetable nectar	300 mg	/kg	6

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Function: Flavour Enhancer, Sweetener

Food Cat. No.	Food Category	Max Level	Comments	Step \	Year
14.1.4.1	Carbonated water-based flavoured drinks	500 mg/kg		6	
14.1.4.2	Non-carbonated water-based flavoured drinks, including punches and ades	500 mg/kg		6	
14.1.4.3	Concentrates (liquid or solid) for water-based flavoured drinks	2000 mg/kg		6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	200 mg/kg		6	
14.2.1	Beer and malt beverages	80 mg/kg		6	
14.2.2	Cider and perry	80 mg/kg		6	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	80 mg/kg		6	
15.0	Ready-to-eat savouries	100 mg/kg		6	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	200 mg/kg		6	

# SALTS OF MYRISTIC, PALMITIC & STEARIC ACIDS (NH4, Ca, K, Na)

SALTS OF MYRISTIC, PALMITIC & STEARIC ACIDS (NH4, Ca, K, Na)

INS: 470

	nticaking Agent, Emulsifier, Stabilizer			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.1.2	Buttermilk (plain)	GMP		6
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		6
01.2.2	Renneted milk (plain)	GMP		6
02.2.1.1	Butter and concentrated butter	GMP	Note 52	6
04.1.1.2	Surface-treated fresh fruit	GMP	Notes 16 & 71	6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP	Notes 16 & 71	6
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP		6
06.4.2	Dried pastas and noodles and like products	GMP		6
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Notes 16 & 71	6
08.1.2	Fresh meat, poultry, and game, comminuted	GMP	Note 71	6
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Notes 16 & 71	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 71	6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Notes 16 & 71	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Notes 16 & 71	6
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
10.2.1	Liquid egg products	GMP		6
10.2.2	Frozen egg products	GMP		6

Function: A	Inticaking Agent, Emulsifier, Stabilizer				
Food Cat. No.	Food Category	Max Level	Comments	Step	Year
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP	Note 71	6	
12.1	Salt and salt substitutes	GMP		6	
12.2.1	Herbs and spices	GMP	Note 51	6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other	GMP		6	

# SALTS OF OLEIC ACID (Ca, K, Na)

SALTS OF OLEIC ACID (Ca, K, Na)

INS: 470

hot cereal and grain beverages, excluding cocoa

Function: A	nticaking Agent, Emulsifier, Stabilizer			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.1.2	Buttermilk (plain)	GMP		6
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		6
01.2.2	Renneted milk (plain)	GMP		6
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP	Note 16	6
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	6
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		6
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		6
12.1.2	Salt Substitutes	GMP		6
12.2.1	Herbs and spices	GMP	Note 51	6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		6

#### **SHELLAC**

04.1.1.2

Shellac INS: 904

Surface-treated fresh fruit

Function: Bulking Agent, Glazing Agent, Release Agent

Food Cat. No. Food Category Max Level Comments Step Year

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GMP

Adopted 2003

Function: Bulking Agent, Glazing Agent, Release Agent

Food Cat. No.	Food Category	Max Level	Comments	Step Year
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP	Note 79	Adopted 2003
05.1.4	Cocoa and chocolate products	GMP	Note 3	Adopted 2001
05.1.5	Imitation chocolate, chocolate substitute products	GMP	Note 3	Adopted 2001
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP	Note 3	Adopted 2001
05.3	Chewing gum	GMP	Note 3	Adopted 2003
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		Adopted 2003
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	GMP	Note 3	Adopted 2001
13.6	Food supplements	GMP	Note 3	Adopted 2001
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	Note 108	Adopted 2001
15.0	Ready-to-eat savouries	GMP	Note 3	Adopted 2001

INS: 551

#### **SILICON DIOXIDE (AMORPHOUS)**

Silicon Dioxide (Amorphous)

Function: Anticaking Agent, Filter Aid Food Cat. No. Food Category Max Level Comments Step Year Fermented vegetable (including mushrooms and fungi, 3 04.2.2.7 **GMP** roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10 06.2 Flours and starches (including soybean powder) **GMP** 3 09.2 **GMP** 3 Processed fish and fish products, including mollusks, crustaceans, and echinoderms 11.1.1 White sugar, dextrose anhydrous, dextrose monohydrate, 15000 mg/kg 3 fructose 11.1.2 Powdered sugar, powdered dextrose 15000 mg/kg Note 56 6 12.1.1 Salt 20000 mg/kg 6 12.1.2 Salt Substitutes 10000 mg/kg 6 12.2.1 Herbs and spices **GMP** Note 51 3 13.1.1 Infant formulae 10000 mg/kg Note 65 6 13.1.2 Follow-up formulae 10000 mg/kg Note 65 6 13.1.3 Formulae for special medical purposes for infants 10000 mg/kg 3 13.2 Complementary foods for infants and young children 10000 mg/kg Note 65 6 14.1.5 Coffee, coffee substitutes, tea, herbal infusions, and other 15000 mg/kg Note 2 3 hot cereal and grain beverages, excluding cocoa

#### **SODIUM ACETATE**

Sodium Acetate INS: 262i

Food Cat. No.	Food Category	Max L	evel	Comments	Step Year
02.1	Fats and oils essentially free from water	5000	mg/kg		6
02.2.1.1	Butter and concentrated butter		GMP	Note 52	6
04.2.1	Fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10		GMP		3
06.1	Whole, broken, or flaked grain, including rice	6000	mg/kg		6
06.2	Flours and starches (including soybean powder)	6000	mg/kg		6
06.4.1	Fresh pastas and noodles and like products		GMP		3
06.4.2	Dried pastas and noodles and like products	6000	mg/kg		6
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts		GMP		6
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		3
10.2.1	Liquid egg products		GMP		6
10.2.2	Frozen egg products		GMP		6
12.1.2	Salt Substitutes		GMP		3
12.2.1	Herbs and spices		GMP	Note 51	3
13.1.3	Formulae for special medical purposes for infants		GMP		3
13.2	Complementary foods for infants and young children		GMP		6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa		GMP		3

# **SODIUM ALGINATE**

Sodium Alginate INS: 401

Function: E	Bulking Agent, Emulsifier, Stabilizer, Thickener			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.1.1	Milk (plain)	GMP		3
01.1.1.2	Buttermilk (plain)	6000 mg/kg		6
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	GMP		3
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	5000 mg/kg		6
01.4.1	Pasteurized cream (plain)	1000 mg/kg		6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000 mg/kg		6
02.1	Fats and oils essentially free from water	GMP		6
02.2.1.1	Butter and concentrated butter	GMP	Note 52	6
04.1.1.2	Surface-treated fresh fruit	GMP		6
04.1.1.3	Peeled or cut fresh fruit	GMP		3
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP		6

6

3

6

3

Function:

13.1.1

13.1.3

13.2

14.1.5

Bulking Agent, Emulsifier, Stabilizer, Thickener

ranotion. Bo	many Agent, Emalamen, Glabilizer, Thiokerier					
Food Cat. No.	Food Category	Max L	evel	Comments	Step	Year
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		3	
06.4.1	Fresh pastas and noodles and like products		GMP		3	
06.4.2	Dried pastas and noodles and like products		GMP		6	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	15000	mg/kg		6	
08.1.2	Fresh meat, poultry, and game, comminuted	8000	mg/kg		6	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		3	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	5000	mg/kg		6	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Notes 41 & 99	6	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms		GMP		3	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		3	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		3	
10.2.1	Liquid egg products		GMP		3	
10.2.2	Frozen egg products		GMP		3	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar	10000	mg/kg		6	

#### **SODIUM ALUMINIUM PHOSPHATES**

Formulae for special medical purposes for infants

hot cereal and grain beverages, excluding cocoa

Complementary foods for infants and young children

Coffee, coffee substitutes, tea, herbal infusions, and other

toppings)

Infant formulae

Sodium Aluminium Phosphate-Acidic INS: 541i Sodium Aluminium Phosphate-Basic INS: 541ii

300 mg/kg

1000 mg/kg

5000 mg/kg

**GMP** 

Function: A	cidity Regulator, Emulsifier, Raising Agent, Stabilizer, Thickener			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.6.1	Unripened cheese	670 mg/kg	Note 6	3
01.6.4	Processed cheese	35000 mg/kg	Note 29	6
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	2000 mg/kg	Note 6	6
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	2000 mg/kg	Note 6	6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	2000 mg/kg	Note 6	6
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	2000 mg/kg	Notes 6 & 72	6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP	Note 6	6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	350 mg/kg	Note 29	3
06.2.1	Flours	45000 mg/kg	Note 29	6

Function:	Acidity Regulator	Fmulsifiar	Raising Agent	Stabilizer, Thickene	ωr
FullClion.	Acidity Negulator	, Lilluisillei,	raising Agent,	Stabilizer, Triickeri	CI.

Food Cat. No.	Food Category	Max Level	Comments	Step Year
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	2000 mg/kg	Note 6	6
06.6	Batters (e.g., for breading or batters for fish or poultry)	1600 mg/kg	Note 6	6
07.1	Bread and ordinary bakery wares	2000 mg/kg	Note 6	6
07.2.1	Cakes, cookes and pies (e.g., fruit-filled or custard types)	2000 mg/kg	Note 6	6
07.2.2	Other fine bakery products (e.g., doughnuts, sweet rolls, scones, and muffins)	2000 mg/kg	Note 6	6
07.2.3	Mixes for fine bakery wares (e.g., cakes, pancakes)	15300 mg/kg	Note 29	6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	190 mg/kg	Notes 6 & 41	6
10.4	Egg-based desserts (e.g., custard)	2000 mg/kg	Note 6	6
12.5.2	Mixes for soups and broths	2000 mg/kg	Note 6	6
12.6.3	Mixes for sauces and gravies	2000 mg/kg	Note 6	6
14.1.4.3	Concentrates (liquid or solid) for water-based flavoured drinks	2000 mg/kg	Note 6	6
16.0	Composite foods - foods that could not be placed in categories 01 - 15	190 mg/kg	Note 6	6

## **SODIUM ALUMINOSILICATE**

Sodium Aluminosilicate INS: 554

Function:	Anticaking Agent				
Food Cat. No.	Food Category	Max Level	Comments	Step Year	_
06.1	Whole, broken, or flaked grain, including rice	GMP		6	
11.1.2	Powdered sugar, powdered dextrose	15000 mg/kg	Note 56	6	
12.1.1	Salt	20000 mg/kg		6	
12.1.2	Salt Substitutes	10000 mg/kg		6	

#### **SODIUM ASCORBATE**

Sodium Ascorbate INS: 301

Food Cat. No.	Food Category	Max Level	Comments	Step Year
02.1	Fats and oils essentially free from water	200 mg/kg		6
02.2.1.1	Butter and concentrated butter	GMP	Note 52	6
04.1.1	Fresh fruit	GMP		6
04.2.1.3	Peeled, cut or shredded fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP		6
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP		6

Antioxidant, Colour Retention Agent

Function:

Food Cat. No.	Food Category	Max Level	Comments	Step Year
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	GMP		3
06.2	Flours and starches (including soybean powder)	GMP		3
06.2.1	Flours	300 mg/kg		6
06.4.1	Fresh pastas and noodles and like products	200 mg/kg		3
06.4.2	Dried pastas and noodles and like products	200 mg/kg		3
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	500 mg/kg		6
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		6
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg		6
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		3
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg	Note 70	6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg		6
12.1.2	Salt Substitutes	GMP		3
12.2.1	Herbs and spices	GMP	Note 51	3
13.1.1	Infant formulae	75 mg/kg		3
13.1.2	Follow-up formulae	50 mg/kg		6
13.1.3	Formulae for special medical purposes for infants	3000 mg/kg		3
13.2	Complementary foods for infants and young children	3000 mg/kg		6
14.1.2.1	Fruit juice	GMP		7
14.1.2.2	Vegetable juice	GMP		3
14.1.2.3	Concentrates for fruit juice	GMP	Note 127	7
14.1.2.4	Concentrates for vegetable juice	GMP		3
14.1.3.1	Fruit nectar	GMP		7
14.1.3.2	Vegetable nectar	GMP		3
14.1.3.3	Concentrates for fruit nectar	GMP	Note 127	7
14.1.3.4	Concentrates for vegetable nectar	GMP		3
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		3
14.2.3	Grape wines	200 mg/kg		6
SODIUM	CARBONATE			_
Sodium Carb	onate INS: 500i			
	anticaking Agent, Acidity Regulator, Raising Agent, Stabilizer			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.4.1	Pasteurized cream (plain)	GMP		6

Function: Anticaking Agent, Acidity Regulator, Raising Agent, Stabilizer

Food Cat. No.	Food Category	Max L	evel	Comments	Step Year
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)		GMP		6
02.1	Fats and oils essentially free from water		GMP		6
02.2.1.1	Butter and concentrated butter		GMP	Note 52	6
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10		GMP		3
06.2	Flours and starches (including soybean powder)		GMP		3
06.4.1	Fresh pastas and noodles and like products		GMP		3
06.4.2	Dried pastas and noodles and like products	2600	mg/kg		6
08.1	Fresh meat, poultry, and game		GMP		3
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts		GMP		6
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		3
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 41	6
12.1.2	Salt Substitutes		GMP		3
12.2.1	Herbs and spices		GMP	Note 51	3
13.1.1	Infant formulae		GMP		6
13.1.2	Follow-up formulae		GMP		6
13.1.3	Formulae for special medical purposes for infants		GMP		3
13.2	Complementary foods for infants and young children		GMP		6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa		GMP		6

# SODIUM CARBOXYMETHYL CELLULOSE

Sodium Carboxymethyl Cellulose INS: 466

Function: B	ulking Agent, Emulsifier ,Stabilizer, Thickener				
Food Cat. No.	Food Category	Max L	evel	Comments	Step Year
01.1.1.1	Milk (plain)		GMP		3
01.1.1.2	Buttermilk (plain)	2000	mg/kg		6
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)		GMP		3
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	5000	mg/kg		6
01.2.2	Renneted milk (plain)		GMP		6
01.4.1	Pasteurized cream (plain)	5000	mg/kg		6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000	mg/kg		6
02.2.1.1	Butter and concentrated butter	2000	mg/kg	Note 52	6
04.1.1.2	Surface-treated fresh fruit		GMP	Note 16	6
04.1.1.3	Peeled or cut fresh fruit		GMP		3
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP	Note 16	6
				Page 214 of 2	264

Function: Bu	ılking Agent,	Emulsifier	.Stabilizer.	Thickener
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Food Cat. No.	Food Category	Max L	evel	Comments	Step Year
04.2.1.3	Peeled, cut or shredded fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		3
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		3
06.4.1	Fresh pastas and noodles and like products	50000	mg/kg		3
06.4.2	Dried pastas and noodles and like products		GMP		6
06.4.2	Dried pastas and noodles and like products	50000	mg/kg		3
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	15000	mg/kg		6
08.1.2	Fresh meat, poultry, and game, comminuted		GMP		6
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Notes 41 & 61	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
10.2.1	Liquid egg products		GMP		3
10.2.2	Frozen egg products		GMP		3
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	5000	mg/kg		6
12.1.2	Salt Substitutes		GMP		6
12.2.1	Herbs and spices		GMP	Note 51	6
13.1.1	Infant formulae		GMP		3
13.1.2	Follow-up formulae		GMP		3
13.1.3	Formulae for special medical purposes for infants	10000	mg/kg		3
13.2	Complementary foods for infants and young children		GMP		3
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa		GMP		6

# **SODIUM DIACETATE**

Sodium Diacetate INS: 262ii

Function: A	cidity Regulator, Preservative, Sequestrant		
Food Cat. No.	Food Category	Max Level Comments	Step Year
02.1	Fats and oils essentially free from water	1000 mg/kg	6
02.2	Fat emulsions mainly of type water-in-oil	GMP	6
02.3	Fat emulsions maily of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	GMP	6
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	GMP	6
04.1.2.3	Fruit in vinegar, oil, or brine	GMP	6

Function: Acidity Regulator, Preservative	e, Sequestrant
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Food Cat. No.	Food Category	Max Level	Comments	Step Year
04.1.2.4	Canned or bottled (pasteurized) fruit	GMP		6
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	GMP		6
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	GMP		6
05.1.3	Cocoa-based spreads, including fillings	GMP		3
05.1.5	Imitation chocolate, chocolate substitute products	GMP		3
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	3000 mg/kç	9	6
06.4.2	Dried pastas and noodles and like products	3000 mg/kg	9	6
06.4.3	Pre-cooked pastas and noodles and like products	3000 mg/kg	9	6
07.0	Bakery wares	4000 mg/kg	9	6
08.2	Processed meat, poultry, and game products in whole pieces or cuts	1000 mg/kç	9	6
08.3	Processed comminuted meat, poultry, and game products	1000 mg/kg	9	6
09.2.4.1	Cooked fish and fish products	3000 mg/kg	9	6
10.2	Egg products	1000 mg/kg	9	6
10.3	Preserved eggs, including alkaline, salted, and canned eggs	1000 mg/kg	9	6
10.4	Egg-based desserts (e.g., custard)	2000 mg/kg	9	6
12.5	Soups and broths	500 mg/kg	9	6
12.6	Sauces and like products	2500 mg/kg	9	6
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	3000 mg/kç	9	6
13.2	Complementary foods for infants and young children	GMP		6
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	150 mg/kg	9	6
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	500 mg/kg	9	6
16.0	Composite foods - foods that could not be placed in categories 01 - 15	3000 mg/kg	9	6

# **SODIUM DIHYDROGEN CITRATE**

Sodium Dihydrogen Citrate INS: 331i

Function: Acidity Regulator, Antioxidant, Emulsifier, Sequestrant, Stabilizer					
Food Cat. No.	Food Category	Max Level	Comments	Step Y	ear
01.1.1.2	Buttermilk (plain)	GMP		6	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		6	
01.2.2	Renneted milk (plain)	GMP		6	
01.4.1	Pasteurized cream (plain)	GMP		6	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		6	
02.1	Fats and oils essentially free from water	GMP		6	

Function:	Acidity Regulator.	Antioxidant, I	Emulsifier.	Sequestrant, Stabilizer

Food Cat. No.	Food Category	Max L	evel	Comments	Step Year
02.2.1.1	Butter and concentrated butter		GMP	Note 52	6
04.1.1.2	Surface-treated fresh fruit		GMP	Note 16	6
04.2.1	Fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts		GMP	Note 16	6
08.1.2	Fresh meat, poultry, and game, comminuted		GMP		6
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 61	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
10.2.1	Liquid egg products		GMP		6
10.2.2	Frozen egg products		GMP		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)		GMP		6
12.1.2	Salt Substitutes		GMP		6
12.2.1	Herbs and spices		GMP	Note 51	6
13.1.1	Infant formulae		GMP		6
13.1.1	Infant formulae	2000	mg/kg		3
13.1.2	Follow-up formulae		GMP		6
13.1.2	Follow-up formulae	2000	mg/kg		3
13.1.3	Formulae for special medical purposes for infants		GMP		3
13.2	Complementary foods for infants and young children		GMP		6
13.2	Complementary foods for infants and young children	5000	mg/kg		3
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa		GMP		6

# **SODIUM ERYTHORBATE**

Sodium Isoascorbate INS: 316

antioxidant, Colour Retention Agent				
Food Category	Max Level	Comments	Step Year	•
Fats and oils essentially free from water	100 mg/kg		6	
Butter and concentrated butter	100 mg/kg	Note 52	6	
Peeled or cut fresh fruit	GMP		6	
	Food Category  Fats and oils essentially free from water  Butter and concentrated butter	Food Category Max Level  Fats and oils essentially free from water 100 mg/kg  Butter and concentrated butter 100 mg/kg	Food Category Max Level Comments  Fats and oils essentially free from water 100 mg/kg  Butter and concentrated butter 100 mg/kg Note 52	Food Category Max Level Comments Step Year  Fats and oils essentially free from water 100 mg/kg 6  Butter and concentrated butter 100 mg/kg Note 52 6

Function:	Antioxidant.	Colour Retention Agent
i dilottori.	Antioxidant,	Colour Netermon Agent

Food Cat. No.	Food Category	Max L	evel	Comments	Step	Year
04.2.1.3	Peeled, cut or shredded fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6	
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6	
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10		GMP		3	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	1500	mg/kg		6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa		GMP		6	
14.2.3	Grape wines		GMP		6	

### **SODIUM FUMARATE**

Sodium Fumarate

INS: 365

Function: A	Acidity Regulator				
Food Cat. No.	Food Category	Max Level	Comments	Step Y	ear _
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	GMP		3	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		3	
12.1.2	Salt Substitutes	GMP		3	
12.2.1	Herbs and spices	GMP	Note 51	3	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		3	

# SODIUM GLUCONATE

Sodium Gluconate INS: 576

Function: S	Sequestrant			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	GMP		3
06.4.2	Dried pastas and noodles and like products	GMP		3
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		3
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		3
12.1.2	Salt Substitutes	GMP		3
12.2.1	Herbs and spices	GMP	Note 51	3
			Page 218 of	264

Function: Sequestrant

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		3	

# **SODIUM HYDROGEN CARBONATE**

Sodium Hydrogen Carbonate

INS: 500ii

Function: A	cidity Regulator, Anticaking Agent, Raising Agent, Stabilizer					
Food Cat. No.	Food Category	Max L	evel	Comments	Step Yea	ar _
01.4.1	Pasteurized cream (plain)		GMP		6	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)		GMP		6	
02.1.1	Butter oil, anhydrous milkfat, ghee		GMP		6	
02.1.2	Vegetable oils and fats		GMP		6	
02.1.3	Lard, tallow, fish oil, and other animal fats	1000	mg/kg		6	
02.2.1.1	Butter and concentrated butter		GMP	Note 52	6	
06.2.1	Flours	45000	mg/kg		6	
06.4.1	Fresh pastas and noodles and like products		GMP		3	
06.4.2	Dried pastas and noodles and like products		GMP		3	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts		GMP		6	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 41	6	
13.1.1	Infant formulae		GMP		6	
13.1.2	Follow-up formulae		GMP		6	
13.1.3	Formulae for special medical purposes for infants		GMP		3	
13.2	Complementary foods for infants and young children		GMP		6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa		GMP		6	

### **SODIUM HYDROXIDE**

Sodium Hydroxide INS: 524

Function:	Acidity Regulator
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Food Cat. No.	Food Category	Max Level	Comments	Step	Year	-
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		6		
02.2.1.1	Butter and concentrated butter	GMP	Note 52	6		
06.2.2	Starches	GMP		6		
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP		6		
13.1.1	Infant formulae	GMP		6		
13.1.2	Follow-up formulae	GMP		6		
13.1.3	Formulae for special medical purposes for infants	GMP		3		
13.2	Complementary foods for infants and young children	GMP		6		

### **SODIUM LACTATE**

Sodium Lactate INS: 325

Function: Acidity Regulator, Antioxidant, Bulking Agent, Emulsifier, Humectant, Stabilizer, Thickener						
Food Cat. No.	Food Category	Max L	evel	Comments	Step	Year
01.1.1.2	Buttermilk (plain)		GMP		6	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation		GMP		6	
01.4.1	Pasteurized cream (plain)		GMP		6	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)		GMP		6	
02.1	Fats and oils essentially free from water		GMP		6	
02.2.1.1	Butter and concentrated butter		GMP	Note 52	6	
04.2.1	Fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6	
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10		GMP		3	
06.4.1	Fresh pastas and noodles and like products	2400	mg/kg		3	
06.4.2	Dried pastas and noodles and like products	2400	mg/kg		3	
08.1	Fresh meat, poultry, and game	20000	mg/kg		6	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		3	
10.2.1	Liquid egg products		GMP		6	
10.2.2	Frozen egg products		GMP		6	
13.1.3	Formulae for special medical purposes for infants		GMP		3	
13.2	Complementary foods for infants and young children		GMP		6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa		GMP		3	

# **SODIUM MALATE**

Sodium Malate INS: 350ii

Function: A	cidity Regulator, Humectant			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	GMP		3
06.4.1	Fresh pastas and noodles and like products	GMP		3
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		3
12.1.2	Salt Substitutes	GMP		3
12.2.1	Herbs and spices	GMP	Note 51	3
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		3
	_	•		

# **SODIUM SESQUICARBONATE**

Sodium Sesquicarbonate INS: 500iii

Function:	Acidity Regulator, Anticaking Agent, Raising Agent			
Food Cat. No	D. Food Category	Max Leve	el Comments	Step Year
01.4.1	Pasteurized cream (plain)	GM	ИP	6
01.4.2	Sterilized and UHT creams, whipping and whipped and reduced fat creams (plain)	creams, GM	ИP	6
02.1	Fats and oils essentially free from water	GM	ΛP	6
02.2.1.1	Butter and concentrated butter	GM	MP Note 52	6
08.1.1	Fresh meat, poultry, and game, whole pieces or cut	s GM	ИP	6
09.2.2	Frozen battered fish, fish fillets, and fish products, i mollusks, crustaceans, and echinoderms	ncluding GM	/IP Note 41	6
SORBA	TES			
Sorbic Acid	INS: 200	Sodium Sorbate		INS: 201
Potassium	Sorbate INS: 202	Calcium Sorbate		INS: 203
_				
Function: Food Cat. No	Antioxidant, Preservative, Stabilizer	<del></del> -		- <del> </del>
	~ ~ ~	Max Leve		Step Year
01.1.1	Milk and buttermilk (plain)	1000 mg	g/kg Note 42	6
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g chocolate milk, cocoa, eggnog, drinking yoghurt, wh based drinks)		g/kg Note 42	6
01.2.1	Fermented milks (plain)	300 mg	g/kg Note 42	6
01.2.2	Renneted milk (plain)	1000 mg	g/kg Note 42	6
01.3.2	Beverage whiteners	200 mg	g/kg Note 42	6
01.6	Cheese and analogues	3000 mg	g/kg Note 42	6
01.7	Dairy-based desserts (e.g., pudding, fruit or flavour yoghurt)	ed 1000 mg	g/kg Note 42	6
02.1.1	Butter oil, anhydrous milkfat, ghee	1000 mg	g/kg Note 42	6
02.2.1.2	Margarine and similar products	1000 mg	g/kg Note 42	6
02.2.1.3	Blends of butter and margarine	1000 mg	g/kg Note 42	6
02.2.2	Emulsions containing less than 80% fat	2000 mg	g/kg Note 42	6
02.3	Fat emulsions maily of type oil-in-water, including m and/or flavoured products based on fat emulsions	ixed 1000 mg	g/kg Note 42	6
02.4	Fat-based desserts excluding dairy-based dessert p of food category 01.7	products 1000 mg	g/kg Note 42	6
03.0	Edible ices, including sherbet and sorbet	1000 mg	g/kg Note 42	6
04.1.1	Fresh fruit	1000 mg	g/kg Note 42	6
04.1.2.1	Frozen fruit	1000 mg	g/kg Note 42	6
04.1.2.2	Dried fruit	2000 mg	g/kg Note 42	6
04.1.2.3	Fruit in vinegar, oil, or brine	2000 mg	g/kg Note 42	6
04.1.2.4	Canned or bottled (pasteurized) fruit	1000 mg	g/kg Note 42	6
04.1.2.5	Jams, jellies, marmelades	1000 mg	g/kg Note 42	6

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Function: A	antioxidant, Preservative, Stabilizer			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	1000 mg/kg	Note 42	6
04.1.2.7	Candied fruit	1000 mg/kg	Note 42	6
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	1500 mg/kg	Note 42	6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	1000 mg/kg	Note 42	6
04.1.2.10	Fermented fruit products	1000 mg/kg	Note 42	6
04.1.2.11	Fruit fillings for pastries	1000 mg/kg	Note 42	6
04.1.2.12	Cooked fruit	1200 mg/kg	Note 42	6
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	2000 mg/kg	Note 42	6
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	1000 mg/kg	Note 42	6
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	2000 mg/kg	Note 42	6
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	2000 mg/kg	Note 42	6
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	1000 mg/kg	Note 42	6
04.2.2.8	Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	2000 mg/kg	Note 42	6
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	1500 mg/kg	Note 42	6
05.1.2	Cocoa mixes (syrups)	1000 mg/kg	Note 42	6
05.1.3	Cocoa-based spreads, including fillings	1500 mg/kg	Note 42	6
05.1.4	Cocoa and chocolate products	1000 mg/kg	Note 42	6
05.1.5	Imitation chocolate, chocolate substitute products	1500 mg/kg	Note 42	6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	2000 mg/kg	Note 42	6
05.3	Chewing gum	1500 mg/kg	Note 42	6
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	1000 mg/kg	Note 42	6
06.2	Flours and starches (including soybean powder)	1000 mg/kg	Note 42	6
06.4.2	Dried pastas and noodles and like products	2000 mg/kg	Note 42	6
06.4.3	Pre-cooked pastas and noodles and like products	2000 mg/kg	Note 42	6
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	1000 mg/kg	Note 42	6
06.6	Batters (e.g., for breading or batters for fish or poultry)	2000 mg/kg	Note 42	6
07.0	Bakery wares	2000 mg/kg	Note 42	6
08.2	Processed meat, poultry, and game products in whole pieces or cuts	2000 mg/kg	Note 42	6
08.3	Processed comminuted meat, poultry, and game products	2000 mg/kg	Note 42	6
08.4	Edible casings (e.g., sausage casings)	GMP	Note 42	6

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Food Cat. No.	Food Category	Max Level	Comments	Step Year
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	2000 mg/kg	Note 42	6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	2000 mg/kg	Note 42	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	2000 mg/kg	Note 42	6
09.2.4.1	Cooked fish and fish products	2000 mg/kg	Note 42	6
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	2000 mg/kg	Notes 42 & 82	6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	2000 mg/kg	Note 42	6
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	2000 mg/kg	Note 42	6
10.2.1	Liquid egg products	5000 mg/kg	Note 42	6
10.2.2	Frozen egg products	1000 mg/kg	Note 42	6
10.2.3	Dried and/or heat coagulated egg products	1000 mg/kg	Note 42	6
10.4	Egg-based desserts (e.g., custard)	1000 mg/kg	Note 42	6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	1000 mg/kg	Note 42	6
11.6	Table-top sweeteners, including those containing high- intensity sweeteners	1000 mg/kg	Note 42	6
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	1000 mg/kg	Note 42	6
12.3	Vinegars	1000 mg/kg	Note 42	6
12.4	Mustards	1500 mg/kg	Note 42	6
12.5	Soups and broths	1000 mg/kg	Note 42	6
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	3350 mg/kg	Note 42	6
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	2000 mg/kg	Note 42	6
12.6.3	Mixes for sauces and gravies	2000 mg/kg	Note 42	6
12.6.4	Clear sauces (e.g., fish sauce)	2000 mg/kg	Note 42	6
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	1500 mg/kg	Note 42	6
12.9.1.3	Other soybean protein products (including non-fermented soy sauce)	1000 mg/kg	Note 42	6
12.10.3	Fermented soybean paste (e.g., miso)	1000 mg/kg	Note 42	6
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	1500 mg/kg	Note 42	6
13.4	Dietetic formulae for slimming purposes and weight reduction	1500 mg/kg	Note 42	6
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	2000 mg/kg	Note 42	6
13.6	Food supplements	2000 mg/kg	Note 42	6
14.1.1.2	Table waters and soda waters	200 mg/kg	Note 42	6
14.1.2.1	Fruit juice	1000 mg/kg	Notes 42, 91 & 122	7
14.1.2.2	Vegetable juice	1000 mg/kg	Note 42	6
14.1.2.3	Concentrates for fruit juice	1000 mg/kg	Notes 42, 91, 122 & 127	7
14.1.2.4	Concentrates for vegetable juice	1000 mg/kg	127 Note 42	6

Function: A	Antioxidant, Preservative, St	tabilizer				
Food Cat. No.	Food Category		 	Max Level	Comments	Step Year
14.1.3.1	Fruit nectar			1000 mg/kg	Notes 42, 91 & 122	7
14.1.3.2	Vegetable nectar			1000 mg/kg	Note 42	6
14.1.3.3	Concentrates for fruit neo	ctar		1000 mg/kg	Notes 42, 91, 122 & 127	7
14.1.3.4	Concentrates for vegetal	ole nectar		1000 mg/kg	Note 42	6
14.1.4.1	Carbonated water-based	flavoured drinks		1000 mg/kg	Note 42	6
14.1.4.2	Non-carbonated water-bapunches and ades	ased flavoured drin	ks, including	1000 mg/kg	Note 42	6
14.1.4.3	Concentrates (liquid or so drinks	olid) for water-base	d flavoured	1500 mg/kg	Note 42	6
14.1.5	Coffee, coffee substitutes hot cereal and grain beve		•	1000 mg/kg	Note 42	6
14.2.1	Beer and malt beverages	3		500 mg/kg	Note 42	6
14.2.2	Cider and perry			1000 mg/kg	Note 42	6
14.2.3	Grape wines			2000 mg/kg	Note 42	6
14.2.4	Wines (other than grape)	)		1000 mg/kg	Note 42	6
14.2.5	Mead			1000 mg/kg	Note 42	6
14.2.6	Distilled spirituous bevera	ages containing mo	ore than 15%	600 mg/kg	Note 42	6
14.2.7	Aromatized alcoholic bev spirituous cooler-type be			500 mg/kg	Note 42	6
15.1	Snacks - potato, cereal, f and tubers, pulses and le		d (from roots	1000 mg/kg	Note 42	6
15.2	Processed nuts, including (with e.g., dried fruit)		nut mixtures	1000 mg/kg	Note 42	6
16.0	Composite foods - foods categories 01 - 15	that could not be p	laced in	1000 mg/kg	Note 42	6
SORBITA	N ESTERS OF FA	ATTY ACIDS	3			
Sorbitan Mor	nostearate	INS: 491	Sorbitan T	ristearate	I	NS: 492
Sorbitan Mor	nolaurate	INS: 493	Sorbitan M	lonooleate	I	NS: 494
Sorbitan Mor	nopalmitate	INS: 495				
Function: E	Emulsifier, Stabilizer					
Food Cat. No.	Food Category			Max Level	Comments	Step Year
01.1.2	Dairy-based drinks, flavo	ured and/or fermen		5000 mg/kg		6
01.1.2	chocolate milk, cocoa, eç based drinks)			3000 mg/kg		O
01.3.2	Beverage whiteners			5000 mg/kg		6
01.4.4	Cream analogues			5000 mg/kg		6
01.5.2	Milk and cream powder a	analogues		4000 mg/kg		6
01.7	Dairy-based desserts (e. yoghurt)	g., pudding, fruit or	flavoured	5000 mg/kg		6
02.1	Fats and oils essentially	free from water		10000 mg/kg		6
02.2	Fat emulsions mainly of t	type water-in-oil		20000 mg/kg		6
02.3	Fat emulsions maily of ty and/or flavoured products			10000 mg/kg		6
					Page 224 of 2	264

Function: Emulsifier, Stabilizer

Function: E	mulsifier, Stabilizer			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	10000 mg/kg		6
03.0	Edible ices, including sherbet and sorbet	1200 mg/kg		6
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	6
04.1.1.2	Surface-treated fresh fruit	5000 mg/kg	Note 16	3
04.1.2.5	Jams, jellies, marmelades	25 mg/kg		6
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	5000 mg/kg		6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	5000 mg/kg		6
04.1.2.11	Fruit fillings for pastries	10000 mg/kg		6
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	5000 mg/kg		6
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	5000 mg/kg		6
05.0	Confectionery	20000 mg/kg		6
06.4.2	Dried pastas and noodles and like products	5000 mg/kg	Note 11	3
06.4.3	Pre-cooked pastas and noodles and like products	5000 mg/kg	Note 11	3
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	5000 mg/kg		6
07.1.1	Breads and rolls	10000 mg/kg		6
07.1.2	Crackers, excluding sweet crackers	5000 mg/kg	Note 11	6
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	10000 mg/kg	Note 11	6
07.1.4	Bread-type products, including bread stuffing and bread crumbs	5000 mg/kg	Note 11	6
07.1.5	Steamed breads and buns	5000 mg/kg	Note 11	6
07.1.6	Mixes for bread and ordinary bakery wares	5000 mg/kg	Note 11	6
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	10000 mg/kg		6
08.4	Edible casings (e.g., sausage casings)	3500 mg/kg		6
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg		3
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg		3
10.2	Egg products	500 mg/kg		6
10.4	Egg-based desserts (e.g., custard)	5000 mg/kg		6
12.5.2	Mixes for soups and broths	250 mg/kg	Note 127	6
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	10000 mg/kg		6
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	4000 mg/kg		6
12.6.3	Mixes for sauces and gravies	5000 mg/kg		6
12.8	Yeast and like products	15000 mg/kg	Note 104	6
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	5000 mg/kg		6
13.4	Dietetic formulae for slimming purposes and weight reduction	5000 mg/kg		6

Function: Emulsifier, Sta	abilizer
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Food Cat. No.	Food Category	Max L	.evel	Comments	Step	Year
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6		GMP		6	
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	5000	mg/kg		3	
13.6	Food supplements		GMP		6	
13.6	Food supplements	20000	mg/kg		3	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	5000	mg/kg		6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	5000	mg/kg		6	
14.2.3	Grape wines		GMP		6	
14.2.3	Grape wines	1000	mg/kg		3	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	5000	mg/kg		3	

# SORBITOL (INCLUDING SORBITOL SYRUP)

Sorbitol and Sorbitol Syrup

INS: 420

Food Cat. No	Food Category	Max L	.evel	Comments	Step	Year
-	Fermented milks (plain), heat-treated after fermentation		GMP		<u> </u>	
01.2.2	Renneted milk (plain)		GMP		6	
01.4.1	Pasteurized cream (plain)	200000	mg/kg		3	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	200000			3	
02.2.1.1	Butter and concentrated butter		GMP	Note 52	6	
04.1.1.2	Surface-treated fresh fruit		GMP	Note 16	6	
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP	Note 16	6	
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	70000	mg/kg		3	
06.4.1	Fresh pastas and noodles and like products	35000	mg/kg		3	
06.4.2	Dried pastas and noodles and like products		GMP		6	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts		GMP	Note 16	6	
08.1.2	Fresh meat, poultry, and game, comminuted	5000	mg/kg		6	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	500	mg/kg		3	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP		6	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6	
09.2.4.1	Cooked fish and fish products	35000	mg/kg		6	

Function: I	Bulking Agent, Emulsifier, Humectant, Sequestrant, Stabilizer, Swe	eetener, Thicken	er	
Food Cat. No.	Food Category	Max Level	Comments	Step Year
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	GMP		6
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		6
10.2.2	Frozen egg products	GMP		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		6
12.1.2	Salt Substitutes	GMP		6
12.2.1	Herbs and spices	GMP	Note 51	6
13.1.1	Infant formulae	GMP		6
13.1.2	Follow-up formulae	GMP		6
13.2	Complementary foods for infants and young children	GMP		6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		3
STANNO	US CHLORIDE			
Stannous Ch	nloride INS: 512			
Function:	Antioxidant, Colour Retention Agent, Preservative, Sequestrant			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
04.1.2.4	Canned or bottled (pasteurized) fruit			Adopted 2001
04.1.2.4	Canned or bottled (pasteurized) or retort pouch vegetables	20 mg/kg 25 mg/kg		Adopted 2001 Adopted 2001
04.2.2.4	(including mushrooms and fungi, roots and tubers, pulses	23 mg/kg	Note 45	Adopted 2001
14.1.4	and legumes, and aloe vera), and seaweeds Water-based flavoured drinks, including "sport," "energy," or	20 mg/kg	Note 43	Adopted 2001
	"electrolyte" drinks and particulated drinks			
STADCH	ACETATE			
_	ACETATE	ata Fatarifiad wit	h Minud	INIC: 4424
Anhydride	te Esterified with Acetic INS: 1420 Starch Aceta Acetate	ate Esterified wit	n vinyi	INS: 1421
Function:	Bulking Agent, Emulsifier, Stabilizer, Thickener			
Food Cat. No.		Max Level	Comments	Step Year
01.2	Fermented and renneted milk products (plain), excluding	<b>GMP</b>		<u>-</u>
01.4.1	food category 01.1.2 (dairy-based drinks)  Pasteurized cream (plain)	GMP		6
01.4.2	Sterilized and UHT creams, whipping and whipped creams,	GMP		6
	and reduced fat creams (plain)			
02.1	Fats and oils essentially free from water	GMP		6
02.2.1.1	Butter and concentrated butter	GMP	Note 52	6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 41	6
13.1.1	Infant formulae	GMP		3
13.1.2	Follow-up formulae	GMP		3
13.1.3	Formulae for special medical purposes for infants	50000 mg/kg		3

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Function: E	sulking Agent, Emulsifier, Stabilizer, Thickener				
Food Cat. No.	Food Category	Max Level	Comments	Step	Year
13.2	Complementary foods for infants and young children	50000 mg/kg		6	

### STARCH SODIUM OCTENYL SUCCINATE

Starch Sodium Octenyl Succinate INS: 1450

Function: E	mulsifier, Stabilizer, Thickener					
Food Cat. No.	Food Category	Max Le	evel	Comments	Step	Year
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)		GMP		3	
01.4.1	Pasteurized cream (plain)		GMP		6	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)		GMP		6	
02.1	Fats and oils essentially free from water		GMP		6	
02.2.1.1	Butter and concentrated butter		GMP	Note 52	6	
13.1.1	Infant formulae		GMP		3	
13.1.2	Follow-up formulae		GMP		3	
13.1.3	Formulae for special medical purposes for infants	20000	mg/kg		3	
13.2	Complementary foods for infants and young children	50000	mg/kg		6	

#### STEAROYL-2-LACTYLATES

Sodium Stearoyl Lactylate INS: 481i Calcium Stearoyl Lactylate INS: 482i

Function: E	mulsifier, Stabilizer, Thickener			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	5000 mg/kg		6
01.3.2	Beverage whiteners	5000 mg/kg		6
01.4.4	Cream analogues	10000 mg/kg	Note 2	6
01.5.1	Milk powder and cream powder (plain)	2000 mg/kg		6
01.6.5	Cheese analogues	2000 mg/kg		6
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	5000 mg/kg		6
02.1	Fats and oils essentially free from water	3000 mg/kg		6
02.2	Fat emulsions mainly of type water-in-oil	10000 mg/kg		6
02.3	Fat emulsions maily of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	20000 mg/kg		6
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	5000 mg/kg		6
03.0	Edible ices, including sherbet and sorbet	5000 mg/kg	Note 15	6
04.1.2.7	Candied fruit	2000 mg/kg		6
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	200 mg/kg		6

Function: Emulsifier, Stabilizer, Thickener

Function: E	mulsifier, Stabilizer, Thickener			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	10000 mg/kg		6
04.1.2.11	Fruit fillings for pastries	5000 mg/kg		6
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	5000 mg/kg	Note 76	6
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	5000 mg/kg	Note 2	6
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	2000 mg/kg		6
05.1.3	Cocoa-based spreads, including fillings	5000 mg/kg		6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	5000 mg/kg		6
05.3	Chewing gum	20000 mg/kg		6
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	5000 mg/kg		6
06.1	Whole, broken, or flaked grain, including rice	4000 mg/kg		6
06.2.1	Flours	5000 mg/kg		6
06.3	Breakfast cereals, including rolled oats	5000 mg/kg		6
06.4.2	Dried pastas and noodles and like products	4500 mg/kg		6
06.4.2	Dried pastas and noodles and like products	5000 mg/kg		3
06.4.3	Pre-cooked pastas and noodles and like products	4500 mg/kg		6
06.4.3	Pre-cooked pastas and noodles and like products	5000 mg/kg		3
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	6000 mg/kg		6
06.6	Batters (e.g., for breading or batters for fish or poultry)	7500 mg/kg	Note 2	6
07.1	Bread and ordinary bakery wares	5000 mg/kg		6
07.2.1	Cakes, cookes and pies (e.g., fruit-filled or custard types)	5500 mg/kg		6
07.2.2	Other fine bakery products (e.g., doughnuts, sweet rolls, scones, and muffins)	5000 mg/kg		6
07.2.3	Mixes for fine bakery wares (e.g., cakes, pancakes)	8000 mg/kg		6
08.2.2	Heat-treated processed meat, poultry, and game products in whole pieces or cuts	4000 mg/kg		6
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	4000 mg/kg		6
10.2.1	Liquid egg products	500 mg/kg		6
10.2.2	Frozen egg products	500 mg/kg		6
10.2.3	Dried and/or heat coagulated egg products	5000 mg/kg		6
10.4	Egg-based desserts (e.g., custard)	5000 mg/kg		6
12.4	Mustards	2500 mg/kg		6
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	10000 mg/kg		6
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	2500 mg/kg		6
12.6.3	Mixes for sauces and gravies	2500 mg/kg		6
12.6.4	Clear sauces (e.g., fish sauce)	2500 mg/kg		6
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	2000 mg/kg		6

Food Cat. No.	Food Category	Max Level	Comments	Step Year
13.4	Dietetic formulae for slimming purposes and weight reduction	2000 mg/kg		6
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	2000 mg/kg		6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	2000 mg/kg	Note 2	6
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	8000 mg/kg		6
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	8000 mg/kg		6
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	5000 mg/kg		6
16.0	Composite foods - foods that could not be placed in categories 01 - 15	5000 mg/kg		6

### **STEARYL CITRATE**

Stearyl Citrate

INS: 484

Function: A	ntifoaming Agent, Emulsifier, Sequestrant			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
02.1	Fats and oils essentially free from water	GMP		Adopted 1999
02.2.1.2	Margarine and similar products	100 mg/kg	Note 15	Adopted 1999
05.3	Chewing gum	15000 mg/kg		Adopted 1999
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	500 mg/kg		Adopted 1999

# STEARYL TARTRATE

Stearyl Tartrate

INS: 483

	mulsifier, Flour Treatment Agent				
Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	5000 mg/kg		6	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	5000 mg/kg		6	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	5000 mg/kg		6	
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	5000 mg/kg		6	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	5000 mg/kg		6	
07.0	Bakery wares	4000 mg/kg		6	
10.4	Egg-based desserts (e.g., custard)	5000 mg/kg		6	

### **SUCRALOSE**

Sucralose INS: 955

Food Cat. No	o. Food Category	Max Level	Comments	Step Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-	300 mg/kg		6
01.2.1	based drinks) Fermented milks (plain)	400 mg/kg	1	3
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	250 mg/kg	•	6
01.3.2	Beverage whiteners	580 mg/kg	]	3
01.4	Cream (plain) and the like	580 mg/kg	]	3
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	400 mg/kg	1	6
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	250 mg/kg	J	6
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	400 mg/kg		3
03.0	Edible ices, including sherbet and sorbet	400 mg/kg	•	6
04.1.2.1	Frozen fruit	150 mg/kg		6
04.1.2.1	Frozen fruit	400 mg/kg		3
04.1.2.2	Dried fruit	150 mg/kg		6
04.1.2.2	Dried fruit	1500 mg/kg		3
04.1.2.3	Fruit in vinegar, oil, or brine	150 mg/kg		6
04.1.2.3	Fruit in vinegar, oil, or brine	180 mg/kg	•	3
04.1.2.4	Canned or bottled (pasteurized) fruit	450 mg/kg	•	6
04.1.2.5	Jams, jellies, marmelades	450 mg/kg		6
04.1.2.5	Jams, jellies, marmelades	1000 mg/kg	1	3
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	800 mg/kg		6
04.1.2.7	Candied fruit	800 mg/kg	•	6
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	450 mg/kg		6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	1250 mg/kg	•	6
04.1.2.10	Fermented fruit products	150 mg/kg	•	6
04.1.2.11	Fruit fillings for pastries	250 mg/kg	•	6
04.1.2.11	Fruit fillings for pastries	400 mg/kg		3
04.1.2.12	Cooked fruit	150 mg/kg	1	6
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	150 mg/kg	]	6
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	150 mg/kg	}	6
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	450 mg/kg	I	6
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	150 mg/kg	J	6

Function:	Sweetener			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	1500 mg/k	g	6
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	500 mg/k	9	6
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	150 mg/k	g	6
04.2.2.8	Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	150 mg/k	g	6
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	1500 mg/k	g	6
05.1.2	Cocoa mixes (syrups)	1000 mg/k	g	6
05.1.3	Cocoa-based spreads, including fillings	1500 mg/k	g	6
05.1.4	Cocoa and chocolate products	1500 mg/k	g	6
05.1.5	Imitation chocolate, chocolate substitute products	1500 mg/k	g	6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	1500 mg/k	g	6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	2400 mg/k	g	3
05.3	Chewing gum	5000 mg/k	•	6
05.4	Decorations (e.g., for fine bakery wares), toppings (non- fruit) and sweet sauces	1000 mg/k	g	6
06.3	Breakfast cereals, including rolled oats	1000 mg/k	g	6
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	1250 mg/k	g	6
06.6	Batters (e.g., for breading or batters for fish or poultry)	600 mg/k	g	6
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	600 mg/k	g	6
07.1	Bread and ordinary bakery wares	750 mg/k	g	6
07.2.1	Cakes, cookes and pies (e.g., fruit-filled or custard types)	750 mg/k	g	6
07.2.2	Other fine bakery products (e.g., doughnuts, sweet rolls, scones, and muffins)	800 mg/k	g	6
07.2.3	Mixes for fine bakery wares (e.g., cakes, pancakes)	750 mg/k	g	6
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	120 mg/k	g	3
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	450 mg/kg	g	6
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	450 mg/k	g	6
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	120 mg/k	g	3
10.4	Egg-based desserts (e.g., custard)	250 mg/k	g	6
10.4	Egg-based desserts (e.g., custard)	400 mg/k	g	3
11.3	Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3	1500 mg/k	g	6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	1500 mg/k	g	6

Function: S	Sweetener		
Food Cat. No.	Food Category	Max Level	Comments Step Year
11.6	Table-top sweeteners, including those containing high- intensity sweeteners	GMP	6
11.6	Table-top sweeteners, including those containing high- intensity sweeteners	12000 mg/kg	3
12.2.1	Herbs and spices	400 mg/kg	3
12.2.2	Seasonings and condiments	700 mg/kg	6
12.4	Mustards	400 mg/kg	6
12.5	Soups and broths	1250 mg/kg	6
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	1250 mg/kg	6
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	1250 mg/kg	6
12.6.3	Mixes for sauces and gravies	450 mg/kg	6
12.6.4	Clear sauces (e.g., fish sauce)	450 mg/kg	6
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	1250 mg/kg	6
13.1.3	Formulae for special medical purposes for infants	400 mg/kg	3
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	400 mg/kg	6
13.4	Dietetic formulae for slimming purposes and weight reduction	1250 mg/kg	6
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	800 mg/kg	6
13.6	Food supplements	2400 mg/kg	3
14.1.2.2	Vegetable juice	250 mg/kg	6
14.1.2.2	Vegetable juice	300 mg/kg	3
14.1.2.4	Concentrates for vegetable juice	1250 mg/kg	6
14.1.2.4	Concentrates for vegetable juice	1500 mg/kg	3
14.1.3.1	Fruit nectar	300 mg/kg	7
14.1.3.2	Vegetable nectar	300 mg/kg	3
14.1.3.3	Concentrates for fruit nectar	300 mg/kg	Note 127 7
14.1.3.4	Concentrates for vegetable nectar	1250 mg/kg	6
14.1.3.4	Concentrates for vegetable nectar	1500 mg/kg	3
14.1.4.1	Carbonated water-based flavoured drinks	600 mg/kg	6
14.1.4.2	Non-carbonated water-based flavoured drinks, including punches and ades	600 mg/kg	6
14.1.4.3	Concentrates (liquid or solid) for water-based flavoured drinks	1250 mg/kg	6
14.1.4.3	Concentrates (liquid or solid) for water-based flavoured drinks	1500 mg/kg	3
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	250 mg/kg	6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	300 mg/kg	3
14.2	Alcoholic beverages, including alcohol-free and low- alcoholic counterparts	700 mg/kg	6
15.0	Ready-to-eat savouries	1000 mg/kg	6

# **SUCROGLYCERIDES**

Sucroglycerides INS: 474

Function: E	mulsifier, Stabilizer, Thickener		
Food Cat. No.	Food Category	Max Level	Comments Step Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	5000 mg/kg	6
01.3.2	Beverage whiteners	20000 mg/kg	6
01.5.1	Milk powder and cream powder (plain)	10000 mg/kg	6
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	5000 mg/kg	6
02.2	Fat emulsions mainly of type water-in-oil	10000 mg/kg	6
02.3	Fat emulsions maily of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	10000 mg/kg	6
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	10000 mg/kg	6
03.0	Edible ices, including sherbet and sorbet	5000 mg/kg	6
03.0	Edible ices, including sherbet and sorbet	10000 mg/kg	3
04.1.1.2	Surface-treated fresh fruit	GMP	6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	5000 mg/kg	6
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	5000 mg/kg	6
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	10000 mg/kg	6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	5000 mg/kg	6
05.3	Chewing gum	15000 mg/kg	6
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	5000 mg/kg	6
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	10000 mg/kg	6
08.2.2	Heat-treated processed meat, poultry, and game products in whole pieces or cuts	5000 mg/kg	Note 15 6
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	5000 mg/kg	Note 15 6
10.4	Egg-based desserts (e.g., custard)	5000 mg/kg	6
12.5	Soups and broths	2000 mg/kg	6
12.6	Sauces and like products	10000 mg/kg	6
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	5000 mg/kg	6
13.4	Dietetic formulae for slimming purposes and weight reduction	5000 mg/kg	6
13.6	Food supplements	GMP	6
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	5000 mg/kg	6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	1000 mg/kg	6
14.2.2	Cider and perry	5000 mg/kg	6
14.2.4	Wines (other than grape)	5000 mg/kg	6

Function: Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
14.2.5	Mead	5000 mg/kg		6	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	5000 mg/kg		6	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	5000 mg/kg		6	

### SUCROSE ACETATE ISOBUTYRATE

Sucrose Acetate Isobutyrate

INS: 444

Function:	Acidity Regulator, Adjuvant, Emulsifier, Stabilizer				
Food Cat. No	D. Food Category	Max Level	Comments	Step Year	_
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	500 mg/kg		Adopted 1999	9

### **SUCROSE ESTERS OF FATTY ACIDS**

Sucrose Esters of Fatty Acids

INS: 473

Function:	Adjuvant, Emulsifiers, Stabilizer, Thickener		
Food Cat. No	Food Category	Max Level Comments	s Step Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	5000 mg/kg	6
01.3.2	Beverage whiteners	20000 mg/kg	6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP	6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	10000 mg/kg	3
01.4.4	Cream analogues	GMP	6
01.4.4	Cream analogues	10000 mg/kg	3
01.5.1	Milk powder and cream powder (plain)	10000 mg/kg	6
01.5.2	Milk and cream powder analogues	10000 mg/kg	6
01.6.4	Processed cheese	10000 mg/kg	6
01.6.5	Cheese analogues	10000 mg/kg	6
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	10000 mg/kg	6
02.1.2	Vegetable oils and fats	10000 mg/kg	6
02.2	Fat emulsions mainly of type water-in-oil	10000 mg/kg	6
02.3	Fat emulsions maily of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	10000 mg/kg	6
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	10000 mg/kg	6
03.0	Edible ices, including sherbet and sorbet	5000 mg/kg	6
04.1.1.2	Surface-treated fresh fruit	GMP	6
04.1.1.2	Surface-treated fresh fruit	1000 mg/kg	3
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	1500 mg/kg	6
		Page 235	of 264

Function: Adjuvant, Emulsifiers, Stabilizer, Thickener

	Function: Ac	ljuvant, Emulsitiers, Stabilizer, Thickener		_			
-	Food Cat. No.	Food Category	Max L	evel	Comments	Step	Year
	04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	5000	mg/kg		6	
	04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6	
	04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	1000	mg/kg		3	
	04.2.1.3	Peeled, cut or shredded fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	3000	mg/kg		6	
	04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	5000	mg/kg		6	
	05.1	Cocoa products and chocolate products including imitations and chocolate substitutes	10000	mg/kg		6	
	05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	20000	mg/kg		6	
	05.3	Chewing gum	15000	mg/kg		6	
	05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	10000	mg/kg		6	
	06.3	Breakfast cereals, including rolled oats	10000	mg/kg		6	
	06.4	Pastas and noodles and like products (e.g., rice paper, rice vermicelli, soybean pastas and noodles)	2000	mg/kg		3	
	06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	10000	mg/kg		6	
	06.6	Batters (e.g., for breading or batters for fish or poultry)	10000	mg/kg		6	
	06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	10000	mg/kg		6	
	07.1	Bread and ordinary bakery wares		GMP		6	
	07.1	Bread and ordinary bakery wares	10000	mg/kg		3	
	07.2	Fine bakery wares (sweet, salty, savoury) and mixes	10000	mg/kg		6	
	08.2.2	Heat-treated processed meat, poultry, and game products in whole pieces or cuts	5000	mg/kg	Note 15	6	
	08.3.2	Heat-treated processed comminuted meat, poultry, and game products	5000	mg/kg	Note 15	6	
	08.4	Edible casings (e.g., sausage casings)	5000	mg/kg		6	
	09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	10000	mg/kg		6	
	09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	10000	mg/kg		6	
	09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	10000	mg/kg		6	
	09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6	
	09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	10000	mg/kg		3	
	10.4	Egg-based desserts (e.g., custard)	5000	mg/kg		6	
	11.1	Refined and raw sugars	5000	mg/kg		6	
	12.5	Soups and broths	5000	mg/kg		6	
	12.6	Sauces and like products	10000	mg/kg		6	
	13.1.1	Infant formulae	5000	mg/kg		6	

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Function:	Adjuvant, Emulsifiers, Stabilizer, Thickener		
Food Cat. No	D. Food Category	Max Level	Comments Step Year
13.1.2	Follow-up formulae	5000 mg/k	sg 6
13.2	Complementary foods for infants and young children	5000 mg/k	sg 6
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	5000 mg/k	g 6
13.4	Dietetic formulae for slimming purposes and weight reduction	5000 mg/k	sg 6
13.6	Food supplements	GMF	6
13.6	Food supplements	50000 mg/k	g 3
14.1.4.1	Carbonated water-based flavoured drinks	1000 mg/k	sg 6
14.1.4.2	Non-carbonated water-based flavoured drinks, include punches and ades	ing 5000 mg/k	sg 6
14.1.4.3	Concentrates (liquid or solid) for water-based flavour drinks	ed 10000 mg/k	g 6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and hot cereal and grain beverages, excluding cocoa	other 5000 mg/k	sg 6
14.2.2	Cider and perry	5000 mg/k	sg 6
14.2.4	Wines (other than grape)	5000 mg/k	g 6
14.2.5	Mead	5000 mg/k	g 6
14.2.6	Distilled spirituous beverages containing more than 1 alcohol	5% 5000 mg/k	sg 6
15.1	Snacks - potato, cereal, flour or starch based (from reand tubers, pulses and legumes)	oots 10000 mg/k	sg 6
16.0	Composite foods - foods that could not be placed in categories 01 - 15	10000 mg/k	sg 6
SULPHI			
SULPHI Sulphur Did		odium Sulphite	INS: 221
Sulphur Did	oxide INS: 220 S	odium Sulphite odium Metabisulphite	INS: 221 INS: 223
Sulphur Did Sodium Hy	drogen Sulphite INS: 222 Sulph	·	
Sulphur Did Sodium Hy Potassium	drogen Sulphite INS: 222 Sometabisuphite INS: 224 Position of the second	odium Metabisulphite	INS: 223
Sulphur Did Sodium Hy Potassium	oxide INS: 220 Since the control of the control oxide INS: 220 Since the control oxide INS: 222 Since the control oxide INS: 224 Properties of the control oxide INS: 227 Properties INS:	odium Metabisulphite	INS: 223 INS: 225
Sulphur Did Sodium Hy Potassium Calcium Hy	oxide INS: 220 Since the control of the control oxide INS: 220 Since the control oxide INS: 222 Since the control oxide INS: 224 Properties of the control oxide INS: 227 Properties INS:	odium Metabisulphite otassium Sulphite otassium Bisulphite	INS: 223 INS: 225 INS: 228
Sulphur Did Sodium Hy Potassium Calcium Hy Sodium Thi	drogen Sulphite INS: 222 Sulphite INS: 222 Sulphite INS: 224 Prodrogen Sulphite INS: 227 Prodrogen Sulphite INS: 227 Production INS: 539  Acidity Regulator, Adjuvant, Antioxidant, Bleaching Ager Preservative, Sequestrant, Stabilizer	odium Metabisulphite otassium Sulphite otassium Bisulphite	INS: 223 INS: 225 INS: 228 reatment Agent, Firming Agent,
Sulphur Did Sodium Hy Potassium Calcium Hy Sodium Thi Function:	drogen Sulphite INS: 222 Sulphite INS: 224 Prodrogen Sulphite INS: 224 Prodrogen Sulphite INS: 227 Prodrogen Sulphite INS: 539  Acidity Regulator, Adjuvant, Antioxidant, Bleaching Ager Preservative, Sequestrant, Stabilizer	odium Metabisulphite otassium Sulphite otassium Bisulphite at (Not for Flour), Flour Ti	INS: 223 INS: 225 INS: 228  reatment Agent, Firming Agent,  Comments Step Year
Sulphur Did Sodium Hy Potassium Calcium Hy Sodium Thi Function:	drogen Sulphite INS: 222 Si  Metabisuphite INS: 224 Pr  /drogen Sulphite INS: 227 Pr  iosulphate INS: 539  Acidity Regulator, Adjuvant, Antioxidant, Bleaching Ager  Preservative, Sequestrant, Stabilizer  D. Food Category  Plain processed cheese  Dairy-based desserts (e.g., pudding, fruit or flavoured)	odium Metabisulphite  otassium Sulphite  otassium Bisulphite  ot (Not for Flour), Flour To	INS: 223 INS: 225 INS: 228  reatment Agent, Firming Agent,  Comments Step Year ag Note 44 6
Sulphur Did Sodium Hy Potassium Calcium Hy Sodium Thi Function: Food Cat. No	oxide INS: 220 Sindrogen Sulphite INS: 222 Sindrogen Sulphite INS: 224 Prodrogen Sulphite INS: 227 Prodrogen Sulphite INS: 539  Acidity Regulator, Adjuvant, Antioxidant, Bleaching Ager Preservative, Sequestrant, Stabilizer  D. Food Category  Plain processed cheese	odium Metabisulphite  otassium Sulphite  otassium Bisulphite  ot (Not for Flour), Flour To	INS: 223 INS: 225 INS: 228  reatment Agent, Firming Agent,  Comments Step Year  reg Note 44 6 reg Note 44 6
Sulphur Did Sodium Hy Potassium Calcium Hy Sodium Thi Function: Food Cat. No 01.6.4.1 01.7	drogen Sulphite INS: 222 State of the sulphite INS: 222 State of the sulphite INS: 224 Produced Sulphite INS: 227 Produced Sulphite INS: 539  Acidity Regulator, Adjuvant, Antioxidant, Bleaching Ager Preservative, Sequestrant, Stabilizer D. Food Category  Plain processed cheese Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	odium Metabisulphite  otassium Sulphite  otassium Bisulphite  ot (Not for Flour), Flour To  Max Level  300 mg/k  100 mg/k	INS: 223 INS: 225 INS: 228  reatment Agent, Firming Agent,  Comments Step Year  ag Note 44 6 ag Note 44 6 ag Note 44 6
Sulphur Did Sodium Hy Potassium Calcium Hy Sodium Thi Function: Food Cat. No 01.6.4.1 01.7 03.0	drogen Sulphite INS: 222 Sulphite INS: 222 Sulphite INS: 224 Prodrogen Sulphite INS: 224 Prodrogen Sulphite INS: 227 Prodrogen Sulphite INS: 539  Acidity Regulator, Adjuvant, Antioxidant, Bleaching Ager Preservative, Sequestrant, Stabilizer  D. Food Category  Plain processed cheese  Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)  Edible ices, including sherbet and sorbet	odium Metabisulphite  otassium Sulphite  otassium Bisulphite  ot (Not for Flour), Flour Tr  Max Level  300 mg/k  100 mg/k	INS: 223 INS: 225 INS: 228  reatment Agent, Firming Agent,  Comments Step Year  rig Note 44 6 rig Note 44 6 rig Note 44 6 rig Note 44 6
Sulphur Did Sodium Hy Potassium Calcium Hy Sodium Thi Function: Food Cat. No 01.6.4.1 01.7 03.0 04.1.1.2	drogen Sulphite INS: 222 State of the sulphite INS: 222 State of the sulphite INS: 224 Produced Sulphite INS: 227 Produced Sulphite INS: 539  Acidity Regulator, Adjuvant, Antioxidant, Bleaching Ager Preservative, Sequestrant, Stabilizer D. Food Category  Plain processed cheese Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt) Edible ices, including sherbet and sorbet Surface-treated fresh fruit	odium Metabisulphite  otassium Sulphite  otassium Bisulphite  ot (Not for Flour), Flour Transport  Max Level  300 mg/k  100 mg/k  30 mg/k	INS: 223 INS: 225 INS: 228  reatment Agent, Firming Agent,  Comments Step Year  19 Note 44 6
Sulphur Did Sodium Hy Potassium Calcium Hy Sodium Thi Function: Food Cat. No 01.6.4.1 01.7 03.0 04.1.1.2 04.1.2.1	drogen Sulphite INS: 222 Sometable Sulphite INS: 222 Sometable Sulphite INS: 224 Prodrogen Sulphite INS: 224 Prodrogen Sulphite INS: 227 Prodrogen Sulphite INS: 539  Acidity Regulator, Adjuvant, Antioxidant, Bleaching Ager Preservative, Sequestrant, Stabilizer Do. Food Category  Plain processed cheese  Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)  Edible ices, including sherbet and sorbet  Surface-treated fresh fruit  Frozen fruit	odium Metabisulphite  otassium Sulphite  otassium Bisulphite  ot (Not for Flour), Flour Tr  Max Level  300 mg/k  100 mg/k  30 mg/k  500 mg/k	INS: 223 INS: 225 INS: 228  reatment Agent, Firming Agent,  Comments Step Year  ag Note 44 6
Sulphur Did Sodium Hy Potassium Calcium Hy Sodium Thi Function: Food Cat. No 01.6.4.1 01.7 03.0 04.1.1.2 04.1.2.1 04.1.2.2	drogen Sulphite INS: 222 Sulphite INS: 222 Sulphite INS: 224 Prodrogen Sulphite INS: 224 Prodrogen Sulphite INS: 227 Production INS: 539  Acidity Regulator, Adjuvant, Antioxidant, Bleaching Ager Preservative, Sequestrant, Stabilizer INS: 539  Plain processed cheese Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt) Edible ices, including sherbet and sorbet Surface-treated fresh fruit Frozen fruit Dried fruit	bodium Metabisulphite botassium Sulphite botassium Bisulphite botassium Bisulphite  at (Not for Flour), Flour Transport  Max Level  300 mg/k  100 mg/k  30 mg/k  30 mg/k  300 mg/k	INS: 223 INS: 225 INS: 228  reatment Agent, Firming Agent,  Comments Step Year  G Note 44 6
Sulphur Did Sodium Hy Potassium Calcium Hy Sodium Thi Function: Food Cat. No 01.6.4.1 01.7 03.0 04.1.1.2 04.1.2.1 04.1.2.2 04.1.2.3	drogen Sulphite INS: 222 Sometable Sulphite INS: 222 Sometable Sulphite INS: 224 Prodrogen Sulphite INS: 227 Prodrogen Sulphite INS: 539  Acidity Regulator, Adjuvant, Antioxidant, Bleaching Ager Preservative, Sequestrant, Stabilizer Do. Food Category  Plain processed cheese  Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)  Edible ices, including sherbet and sorbet  Surface-treated fresh fruit  Frozen fruit  Dried fruit  Fruit in vinegar, oil, or brine	odium Metabisulphite  otassium Sulphite  otassium Bisulphite  ot (Not for Flour), Flour Tr  Max Level  300 mg/k  100 mg/k  30 mg/k  30 mg/k  300 mg/k  300 mg/k  300 mg/k	INS: 223 INS: 225 INS: 228  reatment Agent, Firming Agent,  Comments Step Year  ag Note 44 6

Function: Acidity Regulator, Adjuvant, Antioxidant, Bleaching Agent (Not for Flour), Flour Treatment Agent, Firming Agent, Preservative, Sequestrant, Stabilizer

	Preservative, Sequestrant, Stabilizer	riodi), riodi riod	inoni rigoni, i	mmig Agent,
Food Cat. No.	Food Category	Max Level	Comments	Step Year
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/kg	Note 44	6
04.1.2.7	Candied fruit	350 mg/kg	Note 44	6
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	3000 mg/kg	Note 44	6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	750 mg/kg	Note 44	6
04.1.2.10	Fermented fruit products	350 mg/kg	Note 44	6
04.1.2.11	Fruit fillings for pastries	350 mg/kg	Note 44	6
04.2.1.3	Peeled, cut or shredded fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	500 mg/kg	Notes 44 & 76	6
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	750 mg/kg	Note 44	6
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	2500 mg/kg	Notes 44 & 105	6
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	750 mg/kg	Note 44	6
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	750 mg/kg	Note 44	6
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	2000 mg/kg	Note 44	6
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	800 mg/kg	Note 44	6
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	1000 mg/kg	Note 44	6
04.2.2.8	Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	750 mg/kg	Note 44	6
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	2000 mg/kg	Note 44	6
05.1.2	Cocoa mixes (syrups)	100 mg/kg	Note 44	6
05.1.3	Cocoa-based spreads, including fillings	2000 mg/kg	Note 44	6
05.1.4	Cocoa and chocolate products	100 mg/kg	Note 44	6
05.1.5	Imitation chocolate, chocolate substitute products	2000 mg/kg	Note 44	6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	2000 mg/kg	Note 44	6
05.3	Chewing gum	2000 mg/kg	Note 44	6
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	100 mg/kg	Note 44	6
06.1	Whole, broken, or flaked grain, including rice	400 mg/kg	Note 44	6
06.2.1	Flours	900 mg/kg	Note 44	6
06.2.2	Starches	500 mg/kg	Note 44	6
06.4.3	Pre-cooked pastas and noodles and like products	20 mg/kg	Note 44	6

Function: Acidity Regulator, Adjuvant, Antioxidant, Bleaching Agent (Not for Flour), Flour Treatment Agent, Firming Agent, Preservative, Sequestrant, Stabilizer

P	reservative, Sequestrant, Stabilizer			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
07.1.1	Breads and rolls	100 mg/kg	Note 29	6
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	50 mg/kg	Note 44	6
07.1.4	Bread-type products, including bread stuffing and bread crumbs	500 mg/kg	Note 44	6
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	300 mg/kg	Note 44	6
08.1.2	Fresh meat, poultry, and game, comminuted	450 mg/kg	Note 44	6
08.3	Processed comminuted meat, poultry, and game products	500 mg/kg	Note 44	6
08.4	Edible casings (e.g., sausage casings)	500 mg/kg	Note 44	6
09.1.2	Fresh mollusks, crustaceans, and echinoderms	150 mg/kg	Note 44	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	Note 44	6
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	50 mg/kg	Note 44	6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	Note 44	6
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	Note 44	6
11.1.1	White sugar, dextrose anhydrous, dextrose monohydrate, fructose	20 mg/kg	Note 44	6
11.1.2	Powdered sugar, powdered dextrose	15 mg/kg	Note 44	6
11.1.3	Soft white sugar, soft brown sugar, glucose syrup, dried glucose syrup, raw cane sugar	400 mg/kg	Note 44	6
11.1.4	Lactose	20 mg/kg	Note 44	6
11.1.5	Plantation or mill white sugar	70 mg/kg	Note 44	6
11.2	Brown sugar excluding products of food category 11.1.3	40 mg/kg	Note 44	3
11.3	Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3	500 mg/kg	Note 44	6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	40 mg/kg	Note 44	6
12.1.1	Salt	1000 mg/kg	Note 29	6
12.2.2	Seasonings and condiments	200 mg/kg	Note 44	6
12.2.2	Seasonings and condiments	500 mg/kg	Note 44	3
12.3	Vinegars	200 mg/kg	Note 44	6
12.4	Mustards	250 mg/kg	Notes 44 & 106	6
12.5	Soups and broths	1000 mg/kg	Note 44	6
12.6	Sauces and like products	300 mg/kg	Note 44	6
12.9.5	Other protein products	500 mg/kg	Note 44	6
14.1.2.1	Fruit juice	50 mg/kg	Notes 44, 54 & 122	7
14.1.2.2	Vegetable juice	500 mg/kg	Note 44	6
14.1.2.3	Concentrates for fruit juice	50 mg/kg	Notes 44, 54, 122 & 127	7
14.1.2.4	Concentrates for vegetable juice	70 mg/kg	Note 44	6
14.1.3.1	Fruit nectar	50 mg/kg	Notes 44, 54 & 122	7
14.1.3.2	Vegetable nectar	50 mg/kg	Note 44	6
			Page 239 of 2	64

Function: Acidity Regulator, Adjuvant, Antioxidant, Bleaching Agent (Not for Flour), Flour Treatment Agent, Firming Agent, Preservative, Sequestrant, Stabilizer

Food Cat. No.	Food Category	Max Level	Comments	Step Year
14.1.3.3	Concentrates for fruit nectar	50 mg/kg	Notes 44, 54, 122 & 127	7
14.1.3.4	Concentrates for vegetable nectar	70 mg/kg	Note 44	6
14.1.4.1	Carbonated water-based flavoured drinks	115 mg/kg	Note 44	6
14.1.4.2	Non-carbonated water-based flavoured drinks, including punches and ades	250 mg/kg	Note 44	6
14.1.4.3	Concentrates (liquid or solid) for water-based flavoured drinks	350 mg/kg	Note 44	6
14.2.1	Beer and malt beverages	100 mg/kg	Note 44	6
14.2.2	Cider and perry	350 mg/kg	Note 44	6
14.2.3	Grape wines	350 mg/kg	Notes 44 & 103	6
14.2.4	Wines (other than grape)	350 mg/kg	Note 44	6
14.2.5	Mead	350 mg/kg	Note 44	6
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	300 mg/kg	Note 44	6
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	350 mg/kg	Note 44	6
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	50 mg/kg	Note 44	6
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	500 mg/kg	Note 44	6
16.0	Composite foods - foods that could not be placed in categories 01 - 15	500 mg/kg	Note 44	6

# **SUNSET YELLOW FCF**

Sunset Yellow FCF INS: 110

Function: C	Colour			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	300 mg/kg	9	6
01.6.1	Unripened cheese	GMP	Note 3	6
01.6.2.2	Rind of ripened cheese	100 mg/kg	g	6
01.6.3	Whey cheese	GMP	Note 3	6
01.6.4	Processed cheese	200 mg/kg	g	6
01.6.5	Cheese analogues	GMP	Note 3	6
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	300 mg/kg	9	6
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		6
02.2.1.1	Butter and concentrated butter	300 mg/kg	g	6
02.2.1.2	Margarine and similar products	GMP		6
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	300 mg/kg	9	6
03.0	Edible ices, including sherbet and sorbet	300 mg/k	g	6

	Colour	- May I ava			
Food Cat. No.	~	Max Level		Step	<u>Year</u>
04.1.1.2	Surface-treated fresh fruit	500 mg/kg	Note 16	6	
04.1.2.2	Dried fruit	50 mg/kg		6	
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg		6	
04.1.2.5	Jams, jellies, marmelades	500 mg/kg		6	
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/kg		6	
04.1.2.7	Candied fruit	300 mg/kg		6	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	500 mg/kg		6	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	300 mg/kg		6	
04.1.2.11	Fruit fillings for pastries	400 mg/kg		6	
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	500 mg/kg	Note 16	6	
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	300 mg/kg	Note 76	6	
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	500 mg/kg		6	
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	200 mg/kg		6	
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	100 mg/kg		6	
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	200 mg/kg		6	
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	200 mg/kg		6	
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	50 mg/kg		6	
05.1.2	Cocoa mixes (syrups)	50 mg/kg		6	
05.1.3	Cocoa-based spreads, including fillings	100 mg/kg		6	
05.1.4	Cocoa and chocolate products	400 mg/kg		6	
05.1.5	Imitation chocolate, chocolate substitute products	400 mg/kg		6	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	400 mg/kg		6	
05.3	Chewing gum	300 mg/kg		6	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500 mg/kg		6	
06.3	Breakfast cereals, including rolled oats	350 mg/kg		6	
06.4.2	Dried pastas and noodles and like products	300 mg/kg		6	
06.4.3	Pre-cooked pastas and noodles and like products	300 mg/kg		6	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	300 mg/kg		6	
07.0	Bakery wares	300 mg/kg		6	

Function: Colour

Function: C	Colour			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
08.1	Fresh meat, poultry, and game	500 mg/kg	Note 16	6
08.2	Processed meat, poultry, and game products in whole pieces or cuts	500 mg/kg	Note 16	6
08.3.1.1	Cured (including salted) non-heat treated processed comminuted meat, poultry, and game products	500 mg/kg	Note 16	6
08.3.1.2	Cured (including salted) and dried non-heat treated processed comminuted meat, poultry, and game products	135 mg/kg		6
08.3.1.3	Fermented non-heat treated processed comminuted meat, poultry, and game products	500 mg/kg	Note 16	6
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	500 mg/kg	Note 16	6
08.3.3	Frozen processed comminuted meat, poultry, and game products	500 mg/kg	Note 16	6
08.4	Edible casings (e.g., sausage casings)	500 mg/kg	Note 16	6
09.1.1	Fresh fish	300 mg/kg	Note 50	6
09.1.2	Fresh mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg		6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.4.1	Cooked fish and fish products	500 mg/kg		6
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	250 mg/kg		6
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 22	6
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	500 mg/kg	Note 16	6
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	500 mg/kg	Note 16	6
09.3.3	Salmon substitutes, caviar, and other fish roe products	500 mg/kg		6
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3	500 mg/kg		6
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg		6
10.1	Fresh eggs	GMP	Notes 3 & 4	6
10.4	Egg-based desserts (e.g., custard)	300 mg/kg		6
11.3	Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3	300 mg/kg		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	300 mg/kg		6
11.6	Table-top sweeteners, including those containing high- intensity sweeteners	300 mg/kg		6
12.2.1	Herbs and spices	300 mg/kg		6
12.2.2	Seasonings and condiments	500 mg/kg		6
12.4	Mustards	300 mg/kg		6
12.5	Soups and broths	300 mg/kg		6
12.6	Sauces and like products	500 mg/kg		6

Function:	Colour			
Food Cat. No.	Food Category	Max Level	Comments Step Year	_
12.9.5	Other protein products	200 mg/kg	6	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	50 mg/kg	6	
13.4	Dietetic formulae for slimming purposes and weight reduction	50 mg/kg	6	
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	300 mg/kg	6	
13.6	Food supplements	300 mg/kg	6	
14.1.2.2	Vegetable juice	GMP	6	
14.1.4.1	Carbonated water-based flavoured drinks	300 mg/kg	6	
14.1.4.2	Non-carbonated water-based flavoured drinks, including punches and ades	300 mg/kg	6	
14.1.4.3	Concentrates (liquid or solid) for water-based flavoured drinks	391 mg/kg	6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	70 mg/kg	3	
14.2.2	Cider and perry	200 mg/kg	6	
14.2.4	Wines (other than grape)	200 mg/kg	6	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	300 mg/kg	6	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	200 mg/kg	6	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	300 mg/kg	6	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	550 mg/kg	3	
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	100 mg/kg	6	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	500 mg/kg	6	
TALC				=
Talc	INS: 553iii			
Taic	1145. 555111			
Function:	Anticaking Agent			
Food Cat. No.	Food Category	Max Level	Comments Step Year	_
06.1	Whole, broken, or flaked grain, including rice	GMP	6	
12.1.1	Salt	20000 mg/kg	6	
12.1.2	Salt Substitutes	10000 mg/kg	Note 51 6	
TARA GI	JM			_
Tara Gum	INS: 417			
Function:	Stabilizer, Thickener			_
Food Cat. No.		Max Level	Comments Step Year	_
01.1.1	Milk and buttermilk (plain)	GMP	6	-
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	6	
V1.2.1.2	. Simonod mino (plain), node trodica and formendation	Olvil -		
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Function: Food Cat. No	Stabilizer, Thickener  . — — — — — — — — — — — — — — — — — —	Max Lev		Comments	Step	 Year
	~			Comments		
01.2.2	Renneted milk (plain)		MP		6	
01.4.1	Pasteurized cream (plain)		MP		6	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	G	MP		6	
02.1	Fats and oils essentially free from water	G	MP		6	
02.2.1.1	Butter and concentrated butter	G	MP	Note 52	6	
04.1.1.2	Surface-treated fresh fruit	G	MP		6	
04.1.1.3	Peeled or cut fresh fruit	G	MP		6	
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	G	MP		6	
04.2.1.3	Peeled, cut or shredded fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	G	MP		6	
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	G	MP		6	
06.1	Whole, broken, or flaked grain, including rice	G	MP		6	
06.4.2	Dried pastas and noodles and like products	G	MP		6	
08.1	Fresh meat, poultry, and game	G	MP		6	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	G	MP	Note 73	6	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	G	MP	Note 73	6	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	G	MP		6	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	G	MP		6	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms		MP		6	
10.2.1	Liquid egg products		MP		6	
10.2.2	Frozen egg products		MP		6	
11.1.2	Powdered sugar, powdered dextrose		MP		6	
12.2.1	Herbs and spices	G	MP	Note 51	6	
13.1.1	Infant formulae	1000 m	g/kg		6	
13.1.2	Follow-up formulae	1000 m	g/kg		6	
13.2	Complementary foods for infants and young children	G	MP		6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	G	MP		6	
14.2.3	Grape wines	G	MP		6	
	RIC, ACETIC & FATTY ACID ESTERS OF G tetic & Fatty Acid Esters of INS: 472f lixed)	LYCER	OL	(MIXED)		
Function:	Emulsifier, Sequestrant, Stabilizer, Thickener					
Food Cat. No		Max Lev	el	Comments	Step	 Year
	~				_ <u>-</u>	
01.1.1.2	Buttermilk (plain)	G	MP		6	

Emulsifier, Sequestrant, Stabilizer, Thickener

Function:

Food Cat. No.	Food Category		:	Max Level	Comments	Step Year
01.2.1.2	Fermented milks (plain), he	eat-treated after ferm	entation	— — — — — GMF		6
01.2.2	Renneted milk (plain)			GMF		6
02.2.1.1	Butter and concentrated bu	ıtter		10000 mg/k	g Note 52	6
04.1.1.2	Surface-treated fresh fruit			GMF	Note 16	6
04.2.1.2	Surface-treated fresh vege fungi, roots and tubers, pul vera), seaweeds, and nuts	ses and legumes, ar		GMF	Note 16	6
07.1.1	Breads and rolls	and seeds		6000 mg/k	g Note 11	3
08.1.1	Fresh meat, poultry, and ga	ame, whole pieces o	r cuts	GMF	Note 16	6
08.1.2	Fresh meat, poultry, and ga	ame, comminuted		GMF	•	6
09.1	Fresh fish and fish product crustaceans, and echinode	erms		GMF	Note 16	6
09.2.1	Frozen fish, fish fillets, and mollusks, crustaceans, and		ling	GMF	•	6
09.2.2	Frozen battered fish, fish fi mollusks, crustaceans, and		ets, including	GMF	Note 16	6
09.2.3	Frozen minced and creame mollusks, crustaceans, and		uding	GMF	Note 16	6
09.2.4	Cooked and/or fried fish ar mollusks, crustaceans, and	nd fish products, incl	uding	GMF	•	6
09.2.5	Smoked, dried, fermented, products, including mollusk			GMF	•	6
11.4	Other sugars and syrups (e toppings)			GMF	•	6
12.1.2	Salt Substitutes			GMF	•	6
12.2.1	Herbs and spices			GMF	Note 51	6
13.1.1	Infant formulae			240 mg/k	g	3
14.1.5	Coffee, coffee substitutes, hot cereal and grain bevera			GMF	)	6
TARTRA	ΓFS					
Tartaric Acid		INS: 334	Monosodium	Tartrate		INS: 335i
Disodium Tai		INS: 335ii	Monopotassium Tartrate			INS: 336i
Dipotassium	Tartrate	INS: 336ii	Potassium S	odium Tartrate	)	INS: 337
	anticaking Agent, Acidity Regulumectant, Preservative, Rais				fier, Flour Treat	ment Agent,
Food Cat. No.	Food Category		·	Max Level	Comments	Step Year
01.2.1	Fermented milks (plain)			GMF	Note 45	6
01.6.1	Unripened cheese			1500 mg/k	g Note 45	3
01.6.1	Unripened cheese			26200 mg/k	g Notes 5 & 4	45 6
01.6.2	Ripened cheese			GMF	Note 45	6
01.6.3	Whey cheese			GMF	Note 45	6
01.6.4	Processed cheese			34900 mg/k	g Note 45	6
01.6.5	Cheese analogues			GMF	Note 45	6
01.6.6	Whey protein cheese			GMF	Note 45	6
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Function: Anticaking Agent, Acidity Regulator, Adjuvant, Antioxidant, Bulking Agent, Emulsifier, Flour Treatment Agent, Humectant, Preservative, Raising Agent, Sequestrant, Stabilizer, Thickener

Н	umectant, Preservative, Raising Agent, Sequestrant, Stabilizer,	Thickener		
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	2000 mg/k	g Note 45	6
02.1	Fats and oils essentially free from water	GMF	Note 45	6
02.1	Fats and oils essentially free from water	5000 mg/k	g Note 45	3
02.2.1.1	Butter and concentrated butter	GMF	Note 45	6
02.2.1.2	Margarine and similar products	100 mg/k	g Note 45	6
02.2.1.3	Blends of butter and margarine	GMF	Note 45	6
02.2.2	Emulsions containing less than 80% fat	GMF	Note 45	6
02.3	Fat emulsions maily of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	GMF	Note 45	6
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	GMF	Note 45	6
03.0	Edible ices, including sherbet and sorbet	2000 mg/k	g Note 45	6
04.1.2.1	Frozen fruit	GMF	Note 45	6
04.1.2.2	Dried fruit	GMF	Note 45	6
04.1.2.3	Fruit in vinegar, oil, or brine	GMF	Note 45	6
04.1.2.4	Canned or bottled (pasteurized) fruit	1300 mg/k	g Note 45	6
04.1.2.5	Jams, jellies, marmelades	3000 mg/k	g Note 45	6
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	3000 mg/k	g Note 45	6
04.1.2.7	Candied fruit	GMF	Note 45	6
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	GMF	Note 45	6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	GMF		6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	20000 mg/k		3
04.1.2.10	Fermented fruit products	GMF		6
04.1.2.11	Fruit fillings for pastries	10000 mg/k	<u>-</u>	6
04.1.2.12	Cooked fruit	GMF		6
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	15000 mg/k	g Note 45	6
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	10000 mg/k	g Note 45	6
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	GMF	Note 45	6
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	2000 mg/k	g Note 45	6
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	GMF	Note 45	6
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	10000 mg/k	g Note 45	3
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Function: Anticaking Agent, Acidity Regulator, Adjuvant, Antioxidant, Bulking Agent, Emulsifier, Flour Treatment Agent, Humectant, Preservative, Raising Agent, Sequestrant, Stabilizer, Thickener

	Humectant, Preservative, Raising Agent, Sequestrant, Stabilizer, 1	Thickener		
Food Cat. No.	Food Category	Max Level	Comments	Step Year
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	5000 mg/kg	Note 45	6
05.1.2	Cocoa mixes (syrups)	2000 mg/kg	Note 45	6
05.1.3	Cocoa-based spreads, including fillings	2000 mg/kg	Note 45	6
05.1.3	Cocoa-based spreads, including fillings	5000 mg/kg	Note 45	3
05.1.4	Cocoa and chocolate products	10000 mg/kg	Note 45	6
05.1.5	Imitation chocolate, chocolate substitute products	10000 mg/kg	Note 45	6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	20000 mg/kg	Note 45	6
05.3	Chewing gum	30000 mg/kg	Note 45	6
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	8000 mg/kg	Note 45	6
06.2	Flours and starches (including soybean powder)	GMP	Note 45	6
06.2	Flours and starches (including soybean powder)	6000 mg/kg	Note 45	3
06.4.1	Fresh pastas and noodles and like products	GMP	Note 45	6
06.4.3	Pre-cooked pastas and noodles and like products	1000 mg/kg	Note 45	3
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	2860 mg/kg	Note 45	6
07.0	Bakery wares	10000 mg/kg	Note 45	6
08.0	Meat and meat products, including poultry and game	GMP	Note 45	6
09.4 10.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms Egg-based desserts (e.g., custard)	500 mg/kg 2000 mg/kg	Note 45	3 6
11.6		GMP	Note 45	6
11.0	Table-top sweeteners, including those containing high- intensity sweeteners	GIVIF	Note 45	O
12.2.2	Seasonings and condiments	7500 mg/kg	Note 45	6
12.4	Mustards	5000 mg/kg	Note 45	6
12.5	Soups and broths	5000 mg/kg	Note 45	6
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	2860 mg/kg	Note 45	6
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	5000 mg/kg	Note 45	6
12.6.3	Mixes for sauces and gravies	GMP	Note 45	6
12.6.4	Clear sauces (e.g., fish sauce)	GMP	Note 45	6
12.6.4	Clear sauces (e.g., fish sauce)	200 mg/kg	Note 45	3
13.1.3	Formulae for special medical purposes for infants	5000 mg/kg	Note 45	3
13.2	Complementary foods for infants and young children	5000 mg/kg	Note 45	6
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	GMP	Note 45	3
13.4	Dietetic formulae for slimming purposes and weight reduction	GMP	Note 45	3
13.6	Food supplements	GMP	Note 45	3
14.1.2.1	Fruit juice	4000 mg/kg	Notes 45, 128 & 129	7
14.1.2.2	Vegetable juice	4000 mg/kg	Note 45	6
14.1.2.3	Concentrates for fruit juice	4000 mg/kg	Notes 45, 127, 128 & 129	7

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Function: Anticaking Agent, Acidity Regulator, Adjuvant, Antioxidant, Bulking Agent, Emulsifier, Flour Treatment Agent, Humectant, Preservative, Raising Agent, Sequestrant, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step Year
14.1.2.4	Concentrates for vegetable juice	4000 mg/kg	Note 45	6
14.1.3.1	Fruit nectar	4000 mg/kg	Notes 45 & 128	7
14.1.3.2	Vegetable nectar	1600 mg/kg	Note 45	6
14.1.3.3	Concentrates for fruit nectar	4000 mg/kg	Notes 45, 127 & 128	7
14.1.3.4	Concentrates for vegetable nectar	1600 mg/kg	Note 45	6
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	5000 mg/kg	Note 45	6
14.2.1	Beer and malt beverages	2000 mg/kg	Note 45	6
14.2.2	Cider and perry	2000 mg/kg	Note 45	6
14.2.3.1	Still grape wine	9000 mg/kg	Note 45	6
14.2.3.2	Sparkling and semi-sparkling grape wines	2600 mg/kg	Note 45	6
14.2.3.2	Sparkling and semi-sparkling grape wines	4000 mg/kg	Note 45	3
14.2.3.3	Fortified grape wine, grape liquor wine, and sweet grape wine	2600 mg/kg	Note 45	6
14.2.3.3	Fortified grape wine, grape liquor wine, and sweet grape wine	4000 mg/kg	Note 45	3
14.2.4	Wines (other than grape)	GMP	Note 45	6
14.2.5	Mead	GMP	Note 45	6
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	3000 mg/kg	Note 45	6
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	3000 mg/kg	Note 45	6
15.0	Ready-to-eat savouries	2000 mg/kg	Note 45	3
16.0	Composite foods - foods that could not be placed in categories 01 - 15	600 mg/kg	Notes 2 & 45	6

### **TARTRAZINE**

Tartrazine INS: 102

Food Cat. No.	Food Category	Max L	evel	Comments	Step	Year _
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	300	mg/kg		6	
01.3.2	Beverage whiteners	300	mg/kg		6	
01.6.1	Unripened cheese		GMP	Note 3	6	
01.6.1	Unripened cheese	300	mg/kg	Note 3	3	
01.6.2.2	Rind of ripened cheese	100	mg/kg		6	
01.6.3	Whey cheese		GMP	Note 3	6	
01.6.3	Whey cheese	300	mg/kg	Note 3	3	
01.6.4	Processed cheese	200	mg/kg		6	
01.6.5	Cheese analogues		GMP	Note 3	6	
01.6.5	Cheese analogues	300	mg/kg	Note 3	3	

Function:	Colour

Function: C	Colour			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	300 mg/kg		6
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		6
02.1.3	Lard, tallow, fish oil, and other animal fats	300 mg/kg		3
02.2.1.1	Butter and concentrated butter	300 mg/kg		6
02.2.1.2	Margarine and similar products	GMP		6
02.2.1.2	Margarine and similar products	300 mg/kg		3
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	300 mg/kg		6
03.0	Edible ices, including sherbet and sorbet	300 mg/kg		6
04.1.1.2	Surface-treated fresh fruit	500 mg/kg	Note 16	6
04.1.2.2	Dried fruit	200 mg/kg		6
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg		6
04.1.2.5	Jams, jellies, marmelades	500 mg/kg		6
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/kg		6
04.1.2.7	Candied fruit	300 mg/kg		6
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	500 mg/kg		6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	300 mg/kg		6
04.1.2.11	Fruit fillings for pastries	300 mg/kg		6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	500 mg/kg	Note 16	6
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	300 mg/kg		6
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweeds in vinegar, oil, brine, or soy sauce	500 mg/kg		6
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	200 mg/kg		6
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	200 mg/kg		6
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	500 mg/kg		3
05.1	Cocoa products and chocolate products including imitations and chocolate substitutes	300 mg/kg		6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	300 mg/kg		6
05.3	Chewing gum	300 mg/kg		6
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500 mg/kg		6
06.3	Breakfast cereals, including rolled oats	300 mg/kg		6
06.4.2	Dried pastas and noodles and like products	300 mg/kg		6

Function: C	Colour			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
06.4.3	Pre-cooked pastas and noodles and like products	300 mg/kg		6
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	300 mg/kg		6
07.0	Bakery wares	300 mg/kg		6
0.80	Meat and meat products, including poultry and game	500 mg/kg	Note 16	6
09.1.1	Fresh fish	300 mg/kg	Note 50	6
09.1.2	Fresh mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg		6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.4.1	Cooked fish and fish products	500 mg/kg		6
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	250 mg/kg		6
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 22	6
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	500 mg/kg	Note 16	6
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	500 mg/kg	Note 16	6
09.3.3	Salmon substitutes, caviar, and other fish roe products	500 mg/kg		6
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3	500 mg/kg		6
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg		6
10.1	Fresh eggs	GMP	Notes 3 & 4	6
10.1	Fresh eggs	500 mg/kg	Notes 3 & 4	3
10.4	Egg-based desserts (e.g., custard)	300 mg/kg		6
11.3	Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3	300 mg/kg		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	300 mg/kg		6
11.6	Table-top sweeteners, including those containing high- intensity sweeteners	300 mg/kg		6
12.2.1	Herbs and spices	300 mg/kg		6
12.2.2	Seasonings and condiments	500 mg/kg		6
12.4	Mustards	300 mg/kg		6
12.5	Soups and broths	300 mg/kg		6
12.6	Sauces and like products	500 mg/kg		6
12.9.5	Other protein products	100 mg/kg		6
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	50 mg/kg		6
13.4	Dietetic formulae for slimming purposes and weight reduction	50 mg/kg		6
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	300 mg/kg		6

Function: Colou
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Food Cat. No.	Food Category	Max Level Comr	nents Step Year
13.6	Food supplements	300 mg/kg	6
14.1.2.2	Vegetable juice	GMP	6
14.1.2.2	Vegetable juice	500 mg/kg	3
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	300 mg/kg	6
14.2.1	Beer and malt beverages	GMP	6
14.2.1	Beer and malt beverages	500 mg/kg	3
14.2.2	Cider and perry	200 mg/kg	6
14.2.4	Wines (other than grape)	200 mg/kg	6
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	300 mg/kg	6
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	200 mg/kg	6
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	300 mg/kg	6
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	100 mg/kg	6
16.0	Composite foods - foods that could not be placed in categories 01 - 15	500 mg/kg	6

# **TBHQ**

Tertiary Butylhydroquinone

INS: 319

Function: A	Antioxidant			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	200 mg/kg		3
01.3.1	Condensed milk (plain)	100 mg/kg	Note 88	6
01.3.1	Condensed milk (plain)	200 mg/kg		3
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	200 mg/kg		6
02.0	Fats and oils, and fat emulsions	200 mg/kg	Note 15	6
03.0	Edible ices, including sherbet and sorbet	200 mg/kg	Note 15	6
04.1.2.2	Dried fruit	200 mg/kg		6
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	200 mg/kg	Note 15	6
05.1	Cocoa products and chocolate products including imitations and chocolate substitutes	200 mg/kg	Note 15	6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	200 mg/kg	Note 15	6
05.3	Chewing gum	750 mg/kg		6
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	200 mg/kg	Note 15	6
06.4.3	Pre-cooked pastas and noodles and like products	200 mg/kg	Note 15	3
07.1.1	Breads and rolls	200 mg/kg		6
07.1.2	Crackers, excluding sweet crackers	200 mg/kg		6

Function:	Antioxidant			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	200 mg/kg		6
07.1.4	Bread-type products, including bread stuffing and bread crumbs	200 mg/kg		6
08.1	Fresh meat, poultry, and game	100 mg/kg	Note 15	6
08.2	Processed meat, poultry, and game products in whole pieces or cuts	100 mg/kg	Note 15	6
08.3	Processed comminuted meat, poultry, and game products	100 mg/kg	Note 15	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg		6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg		6
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	200 mg/kg	Note 15	6
12.4	Mustards	200 mg/kg		6
12.5	Soups and broths	200 mg/kg	Note 15	6
12.6	Sauces and like products	200 mg/kg	Note 15	6
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	1000 mg/kg	Note 15	6
15.0	Ready-to-eat savouries	200 mg/kg	Note 15	6
	Flavour Enhancer, Sweetener	Max Level	Comments	Sten Vear
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	GMP		3
04.2.2.7	Fermented vegetable (including mushrooms and fungi,	GMP		
	roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	J		3
11.4		500 mg/kg		3
11.4 12.1.2	seaweed products, excluding fermented soybean products of food category 12.10 Other sugars and syrups (e.g., xylose, maple syrup, sugar		Note 51	
	seaweed products, excluding fermented soybean products of food category 12.10  Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	500 mg/kg	Note 51	6
12.1.2	seaweed products, excluding fermented soybean products of food category 12.10  Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)  Salt Substitutes	500 mg/kg 400 mg/kg	Note 51	6
12.1.2 13.2 14.1.5	seaweed products, excluding fermented soybean products of food category 12.10  Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)  Salt Substitutes  Complementary foods for infants and young children  Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	500 mg/kg 400 mg/kg GMP	Note 51	6 6 3
12.1.2 13.2 14.1.5 THIODIP	seaweed products, excluding fermented soybean products of food category 12.10  Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)  Salt Substitutes  Complementary foods for infants and young children  Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	500 mg/kg 400 mg/kg GMP GMP	Note 51	6 6 3 3
12.1.2 13.2 14.1.5	seaweed products, excluding fermented soybean products of food category 12.10  Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)  Salt Substitutes  Complementary foods for infants and young children  Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	500 mg/kg 400 mg/kg GMP	Note 51	6 6 3
12.1.2 13.2 14.1.5 <b>THIODIP</b> Thiodipropio	seaweed products, excluding fermented soybean products of food category 12.10  Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)  Salt Substitutes  Complementary foods for infants and young children  Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	500 mg/kg 400 mg/kg GMP GMP	Note 51	6 6 3 3
12.1.2 13.2 14.1.5 <b>THIODIP</b> Thiodipropio	seaweed products, excluding fermented soybean products of food category 12.10  Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)  Salt Substitutes  Complementary foods for infants and young children  Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa  ROPIONATES  pnic Acid INS: 388 Dilauryl Thick	500 mg/kg 400 mg/kg GMP GMP	Note 51  Comments	6 6 3 3
12.1.2 13.2 14.1.5  THIODIP Thiodipropic	seaweed products, excluding fermented soybean products of food category 12.10  Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)  Salt Substitutes  Complementary foods for infants and young children  Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa  ROPIONATES  pnic Acid INS: 388 Dilauryl Thick	500 mg/kg 400 mg/kg GMP GMP		6 6 3 3 3
12.1.2 13.2 14.1.5  THIODIP Thiodipropic Function: Food Cat. No.	seaweed products, excluding fermented soybean products of food category 12.10  Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)  Salt Substitutes  Complementary foods for infants and young children  Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa  ROPIONATES  pric Acid INS: 388 Dilauryl Thicket Discover Disco	500 mg/kg 400 mg/kg GMP GMP odipropionate	Comments	6 6 3 3 3 INS: 389
12.1.2 13.2 14.1.5  THIODIP Thiodipropid  Function: Food Cat. No. 02.1	seaweed products, excluding fermented soybean products of food category 12.10  Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)  Salt Substitutes  Complementary foods for infants and young children  Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa  ROPIONATES  Onic Acid INS: 388 Dilauryl Thick  Antioxidant  Food Category  Fats and oils essentially free from water	500 mg/kg 400 mg/kg GMP GMP odipropionate  Max Level 200 mg/kg	Comments Note 46	6 6 3 3 3 INS: 389  Step Year Adopted 1999

Function:	Antioxidant			
Food Cat. No	p. Food Category	Max Level	Comments	Step Year
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	Notes 15 & 46	Adopted 199
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	1000 mg/kg	Notes 15 & 46	Adopted 199
15.0	Ready-to-eat savouries	200 mg/kg	Note 46	Adopted 199
TITANIU	IM DIOXIDE			
Titanium Di	ioxide INS: 171			
Function:	Colour			
Food Cat. No	o. Food Category	Max Level	Comments	Step Year
01.2.2	Renneted milk (plain)	GMP		6
01.4.1	Pasteurized cream (plain)	GMP		6
01.4.2	Sterilized and UHT creams, whipping and whipped creams,	GMP		6
04.1.1.2	and reduced fat creams (plain) Surface-treated fresh fruit	GMP	Note 16	6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and	GMP	Note 16	6
0 1.2.1.2	fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	G.I.I.	11010 10	v
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	6
08.1.2	Fresh meat, poultry, and game, comminuted	1000 mg/kg	Note 94	6
09.1.1	Fresh fish	GMP	Note 50	6
09.1.2	Fresh mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 95	6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.4.1	Cooked fish and fish products	GMP		6
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	GMP		6
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 22	6
10.1	Fresh eggs	GMP	Notes 3 & 4	6
14.2.3.2	Sparkling and semi-sparkling grape wines	GMP		6
TOCOPI	HEROLS			
Mixed Toco	opherols Concentrate INS: 306 Alpha-Tocop	oherol	I	NS: 307
Function:	Antioxidant			
Food Cat. No	o. Food Category	Max Level	Comments	Step Year
01.1	Milk and dairy-based drinks	200 mg/kg	<del>_</del>	6
01.2	Fermented and renneted milk products (plain), excluding	200 mg/kg		6
	food category 01.1.2 (dairy-based drinks)	5 0		

Function:	Antioxidant

Function: A	ntioxidant			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.3	Condensed milk and analogues (plain)	200 mg/kg		6
01.4	Cream (plain) and the like	200 mg/kg		6
01.5.1	Milk powder and cream powder (plain)	5000 mg/kg		6
01.5.2	Milk and cream powder analogues	200 mg/kg		6
01.6	Cheese and analogues	200 mg/kg		6
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	500 mg/kg		6
01.8	Whey and whey products, excluding whey cheeses	200 mg/kg		6
02.1.1	Butter oil, anhydrous milkfat, ghee	500 mg/kg		6
02.1.2	Vegetable oils and fats	300 mg/kg		6
02.1.3	Lard, tallow, fish oil, and other animal fats	300 mg/kg		6
02.2.1.1	Butter and concentrated butter	GMP		6
02.2.1.1	Butter and concentrated butter	150 mg/kg		3
02.2.1.2	Margarine and similar products	500 mg/kg		6
02.2.1.3	Blends of butter and margarine	GMP		6
02.2.2	Emulsions containing less than 80% fat	500 mg/kg		6
02.3	Fat emulsions maily of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	200 mg/kg		6
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	200 mg/kg		6
03.0	Edible ices, including sherbet and sorbet	500 mg/kg	Note 15	6
04.1.2.2	Dried fruit	200 mg/kg		6
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	150 mg/kg		6
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	150 mg/kg		6
04.1.2.11	Fruit fillings for pastries	150 mg/kg		6
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	200 mg/kg		6
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	25 mg/kg		6
04.2.2.8	Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	200 mg/kg		6
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	500 mg/kg	Note 15	6
05.1.2	Cocoa mixes (syrups)	500 mg/kg	Note 15	6
05.1.3	Cocoa-based spreads, including fillings	500 mg/kg	Note 15	6
05.1.4	Cocoa and chocolate products	750 mg/kg	Note 15	6
05.1.5	Imitation chocolate, chocolate substitute products	500 mg/kg	Note 15	6
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	500 mg/kg	Note 15	6
05.3	Chewing gum	1500 mg/kg		6
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500 mg/kg	Note 15	6
06.2	Flours and starches (including soybean powder)	600 mg/kg		6
06.3	Breakfast cereals, including rolled oats	85 mg/kg		6

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Function: Antioxidant

Function: Ar	ntioxidant			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
06.4.2	Dried pastas and noodles and like products	GMP		6
06.4.2	Dried pastas and noodles and like products	2000 mg/kg		3
06.4.3	Pre-cooked pastas and noodles and like products	GMP		6
06.4.3	Pre-cooked pastas and noodles and like products	200 mg/kg		3
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	150 mg/kg		6
06.6	Batters (e.g., for breading or batters for fish or poultry)	5 mg/kg		6
07.0	Bakery wares	200 mg/kg		6
08.1.2	Fresh meat, poultry, and game, comminuted	300 mg/kg	Note 15	6
08.2	Processed meat, poultry, and game products in whole pieces or cuts	3000 mg/kg		6
08.3	Processed comminuted meat, poultry, and game products	3000 mg/kg		6
08.4	Edible casings (e.g., sausage casings)	5000 mg/kg		6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 15	6
10.4	Egg-based desserts (e.g., custard)	150 mg/kg		6
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	1000 mg/kg		6
12.4	Mustards	200 mg/kg		6
12.5	Soups and broths	200 mg/kg		6
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	600 mg/kg		6
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	600 mg/kg		6
12.6.3	Mixes for sauces and gravies	300 mg/kg		6
12.6.4	Clear sauces (e.g., fish sauce)	300 mg/kg		6
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	200 mg/kg		6
12.8	Yeast and like products	200 mg/kg		6
13.1.1	Infant formulae	30 mg/kg		6
13.1.2	Follow-up formulae	30 mg/kg		6
13.1.3	Formulae for special medical purposes for infants	1000 mg/kg		6
13.2	Complementary foods for infants and young children	1000 mg/kg		6
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	GMP		3
13.4	Dietetic formulae for slimming purposes and weight reduction	GMP		3
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	GMP		3
13.6	Food supplements	150 mg/kg		3
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	1000 mg/kg	Note 15	6
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	150 mg/kg		6
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	200 mg/kg		6
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	1500 mg/kg		6

### **TOSOM**

Thermally Oxidized Soya Bean Oil with Mono- and Di-Glycerides of Fatty Acids (TOSOM)

INS: 479

Function:	Emulsifier

Food Cat. No.	Food Category	Max Level Comments	Step Year
02.2.1.2	Margarine and similar products	5000 mg/kg	Adopted 1999
02.2.2	Emulsions containing less than 80% fat	5000 mg/kg	Adopted 1999

## TRAGACANTH GUM

Tragacanth Gum

INS: 413

Function: B	sulking Agent, Emulsifier, Stabilizer, Thickener					
Food Cat. No.	Food Category	Max L	evel	Comments	Step	Year
01.1.1.2	Buttermilk (plain)		GMP		6	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation		GMP		6	
01.2.2	Renneted milk (plain)		GMP		6	
01.4.1	Pasteurized cream (plain)		GMP		6	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)		GMP		6	
02.1	Fats and oils essentially free from water	13000	mg/kg		6	
02.2.1.1	Butter and concentrated butter		GMP	Note 52	6	
04.1.1.2	Surface-treated fresh fruit		GMP	Note 16	6	
04.1.1.3	Peeled or cut fresh fruit		GMP		6	
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP	Note 16	6	
04.2.1.3	Peeled, cut or shredded fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6	
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6	
06.4.1	Fresh pastas and noodles and like products		GMP		3	
06.4.2	Dried pastas and noodles and like products		GMP		6	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts		GMP	Note 16	6	
08.1.2	Fresh meat, poultry, and game, comminuted		GMP		6	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP		6	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6	

Function: Bulking Agent, Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step Year
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		6
12.1.2	Salt Substitutes	GMP		6
12.2.1	Herbs and spices	GMP	Note 51	6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		6
14.2.3	Grape wines	GMP		6

### TRIETHYL CITRATE

Triethyl Citrate INS: 1505

Function: A	ntifoaming Agent, Carrier Solvent, Sequestrant, Stabilizer			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
10.2.1	Liquid egg products	2500 mg/kg	Note 47	Adopted 1999
10.2.3	Dried and/or heat coagulated egg products	2500 mg/kg	Note 47	Adopted 1999
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	200 mg/kg		Adopted 1999

### TRIPOTASSIUM CITRATE

Tripotassium Citrate INS: 332ii

Function: A	cidity Regulator, Antioxidant, Emulsifier, Sequestrant, Stabilizer			
Food Cat. No.	Food Category	Max Level	Comments	Step Year
01.1.1.2	Buttermilk (plain)	GM	IP .	6
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GM	IP	6
01.2.2	Renneted milk (plain)	GM	IP	6
01.4.1	Pasteurized cream (plain)	GM	IP .	6
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000 mg	/kg	6
02.1	Fats and oils essentially free from water	GM	IP .	6
02.2.1.1	Butter and concentrated butter	GM	IP Note 52	6
04.1.1.2	Surface-treated fresh fruit	GM	IP Note 16	6
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GM	IP Note 16	6
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GM	IP	6
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GM	IP Note 16	6
08.1.2	Fresh meat, poultry, and game, comminuted	GM	IP .	6
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GM	IP	6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GM	IP	6

Function: Acidity Regulator, Antioxidant, Emulsifier, Sequestrant, Stabilizer

Food Cat. No.	Food Category	Max L	evel	Comments	Step Y	⁄ear
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 61	6	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)		GMP		6	
12.1.2	Salt Substitutes		GMP		6	
12.2.1	Herbs and spices		GMP	Note 51	6	
13.1.1	Infant formulae		GMP		6	
13.1.1	Infant formulae	2	mg/kg		3	
13.1.2	Follow-up formulae		GMP		6	
13.1.3	Formulae for special medical purposes for infants		GMP		3	
13.2	Complementary foods for infants and young children		GMP		6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa		GMP		6	

## TRISODIUM CITRATE

Trisodium Citrate INS: 331iii

Function: A	cidity Regulator, Antioxidant, Emulsifier, Sequestrant, Stabilizer					
Food Cat. No.	Food Category	Max L	evel	Comments	Step	Year
01.1.1	Milk and buttermilk (plain)		GMP		6	
01.2.1	Fermented milks (plain)	1500	mg/kg	Note 63	6	
01.2.2	Renneted milk (plain)		GMP		6	
01.4.1	Pasteurized cream (plain)	1000	mg/kg		6	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000	mg/kg		6	
02.1	Fats and oils essentially free from water		GMP		6	
02.2.1.1	Butter and concentrated butter		GMP	Note 52	6	
04.1.1	Fresh fruit	2000	mg/kg		6	
04.2.1	Fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	2000	mg/kg		6	
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6	
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10		GMP		3	
06.2	Flours and starches (including soybean powder)		GMP		3	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	5000	mg/kg		6	
08.1.2	Fresh meat, poultry, and game, comminuted		GMP		6	

Function:	Acidity Regulator, Antioxidant, Emulsifier, Sequestrant, Stabilizer

Food Cat. No.	Food Category	Max L	evel	Comments	Step	Year
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP		6	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 61	6	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6	
10.2.1	Liquid egg products		GMP		6	
10.2.2	Frozen egg products		GMP		6	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)		GMP		6	
12.1.2	Salt Substitutes		GMP		6	
12.2.1	Herbs and spices		GMP	Note 51	6	
13.1.1	Infant formulae		GMP		6	
13.1.2	Follow-up formulae		GMP		6	
13.1.3	Formulae for special medical purposes for infants		GMP		3	
13.2	Complementary foods for infants and young children	5000	mg/kg		6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa		GMP		6	

#### **XANTHAN GUM**

Xanthan Gum INS: 415

Function: S	tabilizer, Thickener				
Food Cat. No.	Food Category	Max Level	Comments	Step Year	r _
01.1.1.1	Milk (plain)	GMF	)	6	
01.1.1.2	Buttermilk (plain)	3000 mg/k	g	6	
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	GMF	•	3	
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation	GMF	)	6	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	5000 mg/k	g	6	
01.4.1	Pasteurized cream (plain)	GMF	)	6	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000 mg/k	g	6	
02.1	Fats and oils essentially free from water	GMF	•	6	
02.1	Fats and oils essentially free from water	10000 mg/k	g	3	
02.2.1.1	Butter and concentrated butter	5000 mg/k	g Note 52	6	
04.1.1.2	Surface-treated fresh fruit	GMF	)	6	
04.1.1.3	Peeled or cut fresh fruit	GMF	)	6	
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMF	•	6	

Function: St	tabilizer, Thickener				
Food Cat. No.	Food Category	Max L	.evel	Comments	Step Year
04.2.1.3	Peeled, cut or shredded fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP		6
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10		GMP		3
06.4.1	Fresh pastas and noodles and like products	10000	mg/kg		3
06.4.2	Dried pastas and noodles and like products	4000	mg/kg		6
06.4.2	Dried pastas and noodles and like products	10000	mg/kg		3
08.1	Fresh meat, poultry, and game		GMP		6
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	160	mg/kg		6
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Notes 41 & 61	6
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms		GMP		6
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6
10.2.1	Liquid egg products		GMP		6
10.2.2	Frozen egg products		GMP		6
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	5000	mg/kg		6
12.1.2	Salt Substitutes		GMP		6
12.2.1	Herbs and spices		GMP	Note 51	6
13.1.1	Infant formulae		GMP		6
13.1.2	Follow-up formulae		GMP		6
13.1.3	Formulae for special medical purposes for infants	1200	mg/kg		3
13.2	Complementary foods for infants and young children	20000	mg/kg		6
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa		GMP		6
14.2.3	Grape wines		GMP		6

## **XYLITOL**

Xylitol INS: 967

Function: Bulking Agent, Emulsifier, Humectant, Stabilizer, Sweetener, Thickener						
Food Cat. No	o. Food Category	Max Level C	comments Step Year			
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	30000 mg/kg	3			
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP	6			
01.2.2	Renneted milk (plain)	GMP	6			
01.4.1	Pasteurized cream (plain)	30000 mg/kg	3			

Function: Bulking Agent, Emulsifier, Humectant, Stabilizer, Sweetener, Thickener

Food Cat. No.	Food Category	Max L	.evel	Comments	Step Y	'ear
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	30000	mg/kg		3	
02.2.1.1	Butter and concentrated butter		GMP	Note 52	3	
04.1.1.2	Surface-treated fresh fruit		GMP	Note 16	6	
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds		GMP	Note 16	6	
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweed products, excluding fermented soybean products of food category 12.10	10000	mg/kg		3	
06.4.2	Dried pastas and noodles and like products		GMP		6	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts		GMP	Note 16	6	
08.1.2	Fresh meat, poultry, and game, comminuted		GMP		6	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP		6	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6	
09.2.4.1	Cooked fish and fish products		GMP		6	
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms		GMP		6	
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms		GMP	Note 16	6	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms		GMP		6	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)		GMP		6	
12.1.2	Salt Substitutes		GMP		6	
12.2.1	Herbs and spices		GMP	Note 51	6	
13.1.1	Infant formulae		GMP		6	
13.1.2	Follow-up formulae		GMP		6	
13.1.3	Formulae for special medical purposes for infants	20000	mg/kg		3	
13.2	Complementary foods for infants and young children		GMP		6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	30000	mg/kg		3	

# Notes to the Comments for the Revised General Standard for Food Additives (37th CCFAC)

Note 1: As adipic acid Note 2: On dry ingredient, dry weight, dry mix or concentrate basis. Note 3: Surface treatment. Note 4: For decoration, stamping, marking or branding the product. Used in raw materials for manufacture of the finished food. Note 5: Note 6: As aluminium. Note 7: Use level not in finished food. Note 8: As bixin. As total bixin or norbixin. Note 9: Note 10: As ascorbyl stearate. Note 11: Flour basis. Note 12: Carryover from flavouring substances. Note 13: As benzoic acid. Note 14: Served at greater than 5-fold dilution. Note 15: Fat or oil basis. Note 16: For use in glaze, coatings or decorations for fruit, vegetables, meat or fish. Note 17: As cyclamic acid. Note 18: Added level; residue not detected in ready-to-eat food. Used in cocoa fat; use level on ready-to-eat basis. Note 19: Note 20: On total amount of stabilizers, thickeners and/or gums. Note 21: As anhydrous calcium disodium EDTA. Note 22: For use in smoked fish products only. Note 23: As iron. Note 24: As anhydrous sodium ferrocyanide. Note 25: As formic acid. Note 26: For use in baking powder only. Note 27: As p-hydroxybenzoic acid. Note 28: ADI conversion: if a typical preparation contains 0.025 µg/U, then the ADI of 33,000 U/kg bw becomes:[(33000 U/kg bw) x (0.025  $\mu$ g/U) x (1 mg/1000  $\mu$ g)] = 0.825 mg/kg bw Note 29: Reporting basis not specified. Note 30: As residual NO3 ion. Note 31: Of the mash used. Note 32: As residual NO2 ion. Note 33: As phosphorus. Note 34: Anhydrous basis. Note 35: For use in cloudy juices only. Note 36: Residual level. Note 37: As weight of nonfat milk solids. Note 38: Level in creaming mixture. Note 39: Only when product contains butter or other fats and oils.

Note 40: INS 451i only, to enhance the effectiveness of benzoates and sorbates.

Note 41: Use in breading or batter coatings only.

Note 42: As sorbic acid

Note 43: As tin.

Note 44: As residual SO2. Note 45: As tartaric acid.

Note 46: As thiodipropionic acid.

Note 47: On egg yolk weight, dry basis.

Note 48: For olives only.

Note 49: For use on citrus fruits only.

Note 50: For use in fish roe only.

Note 51: For use in herbs only.

Note 52: For use in butter only.

Note 53: For use in coatings only.

Note 54: Sulphites should be used only in fruit juices/nectars in bulk dispensers and in certain tropical

fruit juices/nectars.

Note 55: Added level.

Note 56: Provided starch is not present.

Note 57: GMP is 1 part benzoyl peroxide and not more than 6 parts of the subject additive by weight.

Note 58: As calcium.

Note 59: Use as packing gas.

Note 60: If used as a carbonating agent, the CO2 in the finished wine shall not exceed 39.2 mg/kg.

Note 61: For use in minced fish only.

Note 62: As copper.

Note 63: On amount of dairy ingredients.

Note 64: Level added to dry beans; 200 mg/kg in ready-to-eat food, anhydrous basis.

Note 65: Carryover from nutrient preparations.

Note 66: As formaldehyde. For use in provolone cheese only.

Note 67: Except for use in liquid egg whites at 8800 mg/kg as phosphorus, and in liquid whole eggs at

14,700 mg/kg as phosphorus.

Note 68: For use in natural mineral waters only.

Note 69: Use as carbonating agent.

Note 70: As the acid.

Note 71: Calcium, potassium and sodium salts only.

Note 72: Ready-to-eat basis. Note 73: Except whole fish.

Note 74: Use level for deep orange coloured cheeses; 25 mg/kg for orange coloured cheeses; 10

mg/kg for normal coloured cheeses.

Note 75: Use in milk powder for vending machines only.

Note 76: Use in potatoes only.

Note 77: As mono-isopropyl citrate.

Note 78: For use in tocino (fresh, cured sausage) only.

Note 79: For use on nuts only.

Note 80: Equivalent to 2 mg/dm2 surface application to a maximum depth of 5 mm.

Note 81: Equivalent to 1 mg/dm2 surface application to a maximum depth of 5 mm.

Note 82: For use in shrimp; 6000 mg/kg for Crangon crangon and Crangon vulgaris.

Note 83: For use in sauce only.

Note 84: For infants over 1 year of age only.

Note 85: Excluding use in surimi and fish roe products at 500 mg/kg. Note 86: Use in whipped dessert toppings other than cream only.

Note 87: Treatment level.

Note 88: Carryover from the ingredient.

Note 89: Except for use in dried tangle (KONBU) at 150 mg/kg.

Note 90: For use in milk-sucrose mixtures used in the finished product.

Note 91: Benzoates and sorbates, singly or in combination.

Note 92: On the weight of the protein before re-hydration.

Note 93: Except natural wine produced from Vitis Vinifera grapes. Note 94: For use in loganiza (fresh, uncured sausage) only.

Note 95: For use in surimi and fish roe products only.

Note 96: Carryover from use in fats.

Note 97: In cocoa and chocolate products.

Note 98: For dust control.

Note 99: For use in fish fillets and minced fish only.

Note 100: For use as a dispersing agent in dill oil used in the final food.

Note 101: Level based on the maximum recommended daily dose of 475 mg/dose, assuming one 600

mg tablet is consumed per day.

Note 102: For use as a surfactant or wetting agent for colours in the food. Note 103: Except for use in special white wines at 400 mg/kg. Note 104: Maximum 5000 mg/kg residue in bread and yeast-leavened bakery products. Note 105: Except for use in dried gourd strips (KAMPYO) at 5000 mg/kg. Note 106: Except for use in Dijon mustard at 500 mg/kg. Note 107: Except for use in food-grade dendridic salt at 29,000 mg/kg as anhydrous sodium ferrocyanide. Note 108: For use on coffee beans only. Note 109: Use level reported as 25 lbs/1000 gal x (0.45 kg/lb) x (1 gal/3.75 L) x (1 L/kg) x (106mg/kg) = 3000 mg/kg Note 110: For use in frozen French fried potatoes only. Note 111: For use in dipping solution only. Note 112: For use in grated cheese only. Note 113: Excluding butter. Note 114: Excluding cocoa powder. Note 115: For use in pineapple juice only. Note 116: For use in doughs only. Note 117: Except for use in loganiza (fresh, uncured sausage) at 1000 mg/kg. Note 118: Except for use in tocino (fresh, cured sausage) at 1000 mg/kg. Note 119: As carrier for flavours. Except for use in caviar at 2500 mg/kg. Note 120: Note 121: Excluding fermented fish products at 1000 mg/kg. Note 122: Subject to national legislation of the importing country. Note 123: 1000 mg/kg for beverages with pH greater than 3.5. Note 124: Only for products containing less than 7% ethanol. Note 125: For use as a release agent for baking pans in a mixture with vegetable oil. Note 126: For releasing dough in dividing or baking only. Note 127: As served to the consumer. Note 128: INS 334 only. Note 129: For use as an acidity regulator in grape juice.