

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: 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)	500 mg/kg		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	2000 mg/kg		3	
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	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 mainly 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	
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	

ACESULFAME POTASSIUM

Function: Flavour Enhancer, Sweetener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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	1000 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	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	1000 mg/kg		3	
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	2500 mg/kg		6	
05.1.2	Cocoa mixes (syrops)	500 mg/kg		6	
05.1.3	Cocoa-based spreads, including fillings	2500 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	
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	1000 mg/kg		3	
07.2.1	Cakes, cookies 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/kg		6	
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	600 mg/kg		3	

ACESULFAME POTASSIUM

Function: Flavour Enhancer, Sweetener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
10.4	Egg-based desserts (e.g., custard)	350 mg/kg		6	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	1000 mg/kg		6	
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	15000 mg/kg		3	
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	2000 mg/kg		3	
12.3	Vinegars	2000 mg/kg		3	
12.4	Mustards	350 mg/kg		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	1000 mg/kg		3	
13.6	Food supplements	2000 mg/kg		6	
14.1.2.2	Vegetable juice	600 mg/kg		6	
14.1.2.4	Concentrates for vegetable juice	3000 mg/kg	Note 14	3	
14.1.3.1	Fruit nectar	350 mg/kg			Adopted 2005
14.1.3.3	Concentrates for fruit nectar	350 mg/kg	Note 127		Adopted 2005
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		6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	600 mg/kg		3	
14.2.1	Beer and malt beverages	350 mg/kg		6	
14.2.2	Cider and perry	350 mg/kg		6	
14.2.3	Grape wines	500 mg/kg		3	
14.2.4	Wines (other than grape)	500 mg/kg		3	
14.2.5	Mead	500 mg/kg		3	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	350 mg/kg		3	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	500 mg/kg		3	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	1000 mg/kg		6	
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	1000 mg/kg		6	
15.3	Snacks - fish based	350 mg/kg		6	

ACESULFAME POTASSIUM

Function: Flavour Enhancer, Sweetener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
16.0	Composite foods - foods that could not be placed in categories 01 - 15	350 mg/kg		3	

ACETIC ACID, GLACIAL

Acetic Acid, Glacial

INS: 260

Function: Acidity Regulator, Preservative

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.2.1	Fermented milks (plain)	GMP		7	
02.1	Fats and oils essentially free from water	5000 mg/kg		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.2.1	Fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP		7	
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		7	
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		4	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP		7	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
10.2.1	Liquid egg products	GMP		7	
10.2.2	Frozen egg products	GMP		7	
11.1.3	Soft white sugar, soft brown sugar, glucose syrup, dried glucose syrup, raw cane sugar	330 mg/kg		4	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
13.1.3	Formulae for special medical purposes for infants	GMP		4	
13.2	Complementary foods for infants and young children	5000 mg/kg		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		4	

ACETIC AND FATTY ACID ESTERS OF GLYCEROL

Acetic and Fatty Acid Esters of Glycerol

INS: 472a

Function: Emulsifier, Stabilizer, Sequestrant

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1.2	Buttermilk (plain)	GMP		7	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		7	
01.2.2	Renneted milk (plain)	GMP		7	
01.4.1	Pasteurized cream (plain)	10000 mg/kg		7	

ACETIC AND FATTY ACID ESTERS OF GLYCEROL

Function: Emulsifier, Stabilizer, Sequestrant

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)	10000 mg/kg		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	10000 mg/kg	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	7	
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	7	
06.1	Whole, broken, or flaked grain, including rice	GMP		7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7	
12.1	Salt and salt substitutes	5000 mg/kg		7	
12.2.1	Herbs and spices	5000 mg/kg	Note 51	7	
13.1.3	Formulae for special medical purposes for infants	5000 mg/kg		4	
13.2	Complementary foods for infants and young children	5000 mg/kg		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	

ACETYLATED DISTARCH ADIPATE

Acetylated Distarch Adipate

INS: 1422

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		4	
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 41	7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000 mg/kg		7	
13.1.1	Infant formulae	GMP		4	

ACETYLATED DISTARCH ADIPATE

Function: Bulking Agent, Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
13.1.2	Follow-up formulae	25000 mg/kg		7	
13.1.3	Formulae for special medical purposes for infants	6000 mg/kg		4	
13.2	Complementary foods for infants and young children	60000 mg/kg		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	10000 mg/kg		7	

ACETYLATED DISTARCH PHOSPHATE

Acetylated Distarch Phosphate

INS: 1414

Function: Bulking Agent, Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1.2	Buttermilk (plain)	GMP		7	
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	GMP		4	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		7	
01.2.2	Renneted milk (plain)	GMP		7	
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	7	
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	7	
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		7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 41	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000 mg/kg		7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
13.1.1	Infant formulae	25000 mg/kg		7	
13.1.2	Follow-up formulae	25000 mg/kg		7	

ACETYLATED DISTARCH PHOSPHATE

Function: Bulking Agent, Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
13.1.3	Formulae for special medical purposes for infants	6000 mg/kg		4	
13.2	Complementary foods for infants and young children	60000 mg/kg		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	10000 mg/kg		7	

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		4	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 41	7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000 mg/kg		7	
13.1.1	Infant formulae	GMP		4	
13.1.2	Follow-up formulae	GMP		4	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	10000 mg/kg		7	

ADIPATES

Adipic Acid

INS: 355

Sodium Adipate

INS: 356

Potassium Adipate

INS: 357

Ammonium Adipate

INS: 359

Function: Acidity Regulator, Firming Agent, Raising Agent

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.2.1	Fermented milks (plain)	1500 mg/kg	Note 1	4	
01.3.2	Beverage whiteners	4500 mg/kg	Note 1	7	
01.6.4	Processed cheese	5000 mg/kg	Note 1	7	
01.6.5	Cheese analogues	5000 mg/kg	Note 1	7	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	6000 mg/kg	Note 1	7	
02.1	Fats and oils essentially free from water	3000 mg/kg	Note 1	7	
02.2.1.2	Margarine and similar products	GMP	Note 1	7	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	30000 mg/kg	Note 1	7	
03.0	Edible ices, including sherbet and sorbet	2000 mg/kg	Note 1	7	
04.1.2.5	Jams, jellies, marmelades	2000 mg/kg	Note 1	7	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	30000 mg/kg	Note 1	7	

ADIPATES

Function: Acidity Regulator, Firming Agent, Raising Agent

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	30000 mg/kg	Note 1	7	
04.1.2.11	Fruit fillings for pastries	30000 mg/kg	Note 1	7	
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	50000 mg/kg	Note 1	7	
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	6000 mg/kg	Note 1	7	
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	Note 1	4	
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	7	
05.1.3	Cocoa-based spreads, including fillings	2000 mg/kg	Note 1	7	
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	7	
05.3	Chewing gum	20000 mg/kg	Note 1	7	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	30000 mg/kg	Note 1	7	
06.4.2	Dried pastas and noodles and like products	1000 mg/kg	Note 1	7	
06.4.3	Pre-cooked pastas and noodles and like products	1000 mg/kg	Note 1	7	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	30000 mg/kg	Note 1	7	
06.6	Batters (e.g., for breading or batters for fish or poultry)	1000 mg/kg	Note 1	7	
07.0	Bakery wares	2000 mg/kg	Note 1	7	
08.2	Processed meat, poultry, and game products in whole pieces or cuts	3000 mg/kg	Note 1	7	
08.3	Processed comminuted meat, poultry, and game products	3000 mg/kg	Note 1	7	
10.4	Egg-based desserts (e.g., custard)	30000 mg/kg	Note 1	7	
12.2.2	Seasonings and condiments	50000 mg/kg	Note 1	7	
12.5	Soups and broths	20 mg/kg	Note 1	7	
12.6	Sauces and like products	10000 mg/kg	Note 1	7	
14.1.4.1	Carbonated water-based flavoured drinks	790 mg/kg	Note 1	7	
14.1.4.2	Non-carbonated water-based flavoured drinks, including punches and ades	2000 mg/kg	Note 1	7	
14.1.4.3	Concentrates (liquid or solid) for water-based flavoured drinks	10000 mg/kg	Note 1	7	
14.2.1	Beer and malt beverages	GMP	Note 1	7	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	13000 mg/kg	Note 1	7	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	1000 mg/kg	Notes 1 & 2	7	

AGAR

Agar

INS: 406

AGAR

Function: 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		7	
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	5000 mg/kg		7	
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000 mg/kg		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	2000 mg/kg	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP		7	
04.1.1.3	Peeled or cut fresh fruit	GMP		7	
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		7	
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		7	
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		7	
06.4.1	Fresh pastas and noodles and like products	GMP		4	
06.4.2	Dried pastas and noodles and like products	GMP		7	
08.1	Fresh meat, poultry, and game	GMP		7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	20000 mg/kg	Notes 3 & 53	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
10.2.1	Liquid egg products	GMP		7	
10.2.2	Frozen egg products	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
13.1.1	Infant formulae	GMP		7	
13.1.2	Follow-up formulae	GMP		7	
13.2	Complementary foods for infants and young children	GMP		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	

ALGINIC ACID

Alginate Acid

INS: 400

ALGINIC ACID

Function: Bulking Agent, Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1.2	Buttermilk (plain)	6000 mg/kg		7	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	5000 mg/kg		7	
01.4.1	Pasteurized cream (plain)	1000 mg/kg		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000 mg/kg		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP		7	
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		7	
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		4	
06.4.1	Fresh pastas and noodles and like products	GMP		4	
06.4.2	Dried pastas and noodles and like products	GMP		7	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	5000 mg/kg		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000 mg/kg		7	
12.1.2	Salt Substitutes	GMP		4	
12.2.1	Herbs and spices	GMP	Note 51	4	
13.1.1	Infant formulae	300 mg/kg		7	
13.1.3	Formulae for special medical purposes for infants	5000 mg/kg		4	
13.2	Complementary foods for infants and young children	5000 mg/kg		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		4	

ALITAME

Alitame

INS: 956

Function: 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)	100 mg/kg		6	
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	60 mg/kg		6	
01.4	Cream (plain) and the like	100 mg/kg		6	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	100 mg/kg		6	
03.0	Edible ices, including sherbet and sorbet	100 mg/kg		6	
04.1.2.5	Jams, jellies, marmelades	100 mg/kg		6	
05.0	Confectionery	300 mg/kg		6	

ALITAME

Function: Sweetener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
07.0	Bakery wares	200 mg/kg		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/kg		6	
12.5	Soups and broths	40 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	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	40 mg/kg		6	

ALKALINE TREATED STARCH

Alkaline Treated Starch

INS: 1402

Function: Bulking Agent, 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		4	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 41	7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000 mg/kg		7	
13.1.1	Infant formulae	GMP		4	
13.1.2	Follow-up formulae	GMP		4	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	10000 mg/kg		7	

ALLURA RED AC

Allura Red AC

INS: 129

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)	300 mg/kg		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	300 mg/kg	Note 3	3	
01.6.4	Processed cheese	200 mg/kg		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		6	

ALLURA RED AC

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
02.1.3	Lard, tallow, fish oil, and other animal fats	500 mg/kg		3	
02.2.1.1	Butter and concentrated butter	300 mg/kg		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	
04.1.2.4	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, cookies 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	

ALLURA RED AC

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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	
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	100 mg/kg	Note 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	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	
14.1.4.1	Carbonated water-based flavoured drinks	300 mg/kg		6	

ALLURA RED AC

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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	1572 mg/kg		6	
14.2.1	Beer and malt beverages	200 mg/kg		3	
14.2.2	Cider and perry	200 mg/kg		6	
14.2.4	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 Agent

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
06.1	Whole, broken, or flaked grain, including rice	GMP		7	
06.2	Flours and starches (including soybean powder)	GMP		Adopted 1999	
06.4.2	Dried pastas and noodles and like products	GMP		7	
11.1	Refined and raw sugars	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7	
13.1.1	Infant formulae	GMP		7	
13.1.2	Follow-up formulae	GMP		7	
13.2	Complementary foods for infants and young children	GMP		7	

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		4	

ALPHA-AMYLASE (CARBOHYDRASE) (BACILLUS LICHENIFORMIS)

Alpha-Amylase (Carbohydrase) (Bacillus licheniformis) INS: 1100

ALPHA-AMYLASE (CARBOHYDRASE) (BACILLUS LICHENIFORMIS)

Function: Enzyme, Flour Treatment Agent

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
06.2.2	Starches	GMP		4	

ALUMINIUM AMMONIUM SULPHATE

Aluminium Ammonium Sulphate

INS: 523

Function: Firming 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	4	
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	4	
06.2	Flours and starches (including soybean powder)	500 mg/kg	Note 6	4	
06.2.2	Starches	GMP	Notes 6 & 26	7	
07.1.2	Crackers, excluding sweet crackers	10000 mg/kg	Note 29	4	
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	10000 mg/kg	Note 29	4	
07.1.4	Bread-type products, including bread stuffing and bread crumbs	10000 mg/kg	Note 29	4	
07.1.5	Steamed breads and buns	10000 mg/kg	Note 29	4	
07.1.6	Mixes for bread and ordinary bakery wares	10000 mg/kg	Note 6	4	
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	10000 mg/kg	Note 29	4	
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	4	
12.9.2	Fresh bean curd (tofu)	GMP	Note 6	4	
12.10.2	Fermented soybean curd (soybean cheese)	GMP	Note 6	4	
12.10.3	Fermented soybean paste (e.g., miso)	GMP	Note 6	4	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	500 mg/kg	Note 6	4	

ALUMINIUM SILICATE

Aluminium Silicate

INS: 559

ALUMINIUM SILICATE

Function: Adjuvant, Anticaking Agent

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
06.1	Whole, broken, or flaked grain, including rice	GMP		7	
12.1	Salt and salt substitutes	10000 mg/kg		4	
12.2.1	Herbs and spices	GMP	Note 51	3	

AMARANTH

Amaranth

INS: 123

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)	300 mg/kg		7	
01.6.2.2	Rind of ripened cheese	100 mg/kg		7	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	300 mg/kg		7	
02.2.1.1	Butter and concentrated butter	300 mg/kg		7	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	300 mg/kg		7	
03.0	Edible ices, including sherbet and sorbet	300 mg/kg		7	
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg		7	
04.1.2.5	Jams, jellies, marmelades	300 mg/kg		7	
04.1.2.7	Candied fruit	300 mg/kg		7	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	300 mg/kg		7	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	300 mg/kg		7	
04.1.2.11	Fruit fillings for pastries	300 mg/kg		7	
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		7	
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		4	
05.1.3	Cocoa-based spreads, including fillings	100 mg/kg		7	
05.2.2	Soft candy	100 mg/kg		7	
05.3	Chewing gum	300 mg/kg		7	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	300 mg/kg		7	
06.3	Breakfast cereals, including rolled oats	300 mg/kg		7	
06.4.2	Dried pastas and noodles and like products	100 mg/kg		7	
06.4.3	Pre-cooked pastas and noodles and like products	100 mg/kg		7	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	300 mg/kg		7	
06.6	Batters (e.g., for breading or batters for fish or poultry)	100 mg/kg		7	
07.0	Bakery wares	300 mg/kg		7	

AMARANTH

Function: Colour

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		7	
09.2.4.1	Cooked fish and fish products	300 mg/kg		7	
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg		7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	Note 22	7	
09.3.3	Salmon substitutes, caviar, and other fish roe products	300 mg/kg	Note 50	7	
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg		7	
10.1	Fresh eggs	100 mg/kg	Note 4	3	
10.4	Egg-based desserts (e.g., custard)	300 mg/kg		7	
11.3	Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3	300 mg/kg		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	300 mg/kg		7	
12.2.2	Seasonings and condiments	300 mg/kg		7	
12.5	Soups and broths	300 mg/kg		7	
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	300 mg/kg		7	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	100 mg/kg		7	
14.2.4	Wines (other than grape)	30 mg/kg		7	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	300 mg/kg		7	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	100 mg/kg		7	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	300 mg/kg		7	

AMMONIUM ALGINATE

Ammonium Alginate

INS: 403

Function: Emulsifier, 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		7	
01.4.1	Pasteurized cream (plain)	100 mg/kg		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000 mg/kg		7	
02.1	Fats and oils essentially free from water	5000 mg/kg		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP		7	
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		7	
06.4.2	Dried pastas and noodles and like products	GMP		7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	5000 mg/kg		7	

AMMONIUM ALGINATE

Function: Emulsifier, Thickener, Stabilizer

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000 mg/kg		7	
13.1.1	Infant formulae	300 mg/kg		7	
13.2	Complementary foods for infants and young children	5000 mg/kg		7	

AMMONIUM 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, including mollusks, crustaceans, and echinoderms	GMP	Note 41	7	
13.2	Complementary foods for infants and young children	GMP		7	

AMMONIUM CHLORIDE

Ammonium Chloride

INS: 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	GMP		4	
08.1	Fresh meat, poultry, and game	GMP		4	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
12.1.2	Salt Substitutes	GMP		4	
12.2.1	Herbs and spices	GMP	Note 51	4	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		4	

AMMONIUM HYDROGEN CARBONATE

Ammonium Hydrogen Carbonate

INS: 503ii

Function: Acidity Regulator, Raising Agent, Stabilizer

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
13.2	Complementary foods for infants and young children	GMP		7	

ANNATTO EXTRACTS

Annatto Extracts

INS: 160b

ANNATTO EXTRACTS

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)	50 mg/kg	Note 9	7	
01.6.1	Unripened cheese	50 mg/kg	Note 74	7	
01.6.2.1	Ripened cheese, includes rind	600 mg/kg		7	
01.6.2.2	Rind of ripened cheese	50 mg/kg		7	
01.6.2.3	Cheese powder (for reconstitution; e.g., for cheese sauces)	50 mg/kg		7	
01.6.3	Whey cheese	20 mg/kg	Note 3	7	
01.6.4	Processed cheese	600 mg/kg		7	
01.6.5	Cheese analogues	20 mg/kg	Note 3	7	
01.6.6	Whey protein cheese	10 mg/kg		7	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	100 mg/kg		7	
01.8	Whey and whey products, excluding whey cheeses	10 mg/kg		7	
02.1	Fats and oils essentially free from water	10 mg/kg	Note 9	7	
02.2.1.1	Butter and concentrated butter	100 mg/kg		7	
02.2.1.2	Margarine and similar products	100 mg/kg		7	
02.2.1.3	Blends of butter and margarine	10 mg/kg		7	
02.2.2	Emulsions containing less than 80% fat	30 mg/kg	Note 9	7	
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	20 mg/kg	Note 8	4	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	10 mg/kg		7	
03.0	Edible ices, including sherbet and sorbet	200 mg/kg	Note 8	4	
04.1.1.2	Surface-treated fresh fruit	20 mg/kg	Note 16	7	
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg	Note 8	4	
04.1.2.5	Jams, jellies, marmelades	10 mg/kg		7	
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		7	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	20 mg/kg		7	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	150 mg/kg		7	
04.1.2.11	Fruit fillings for pastries	200 mg/kg		7	
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	7	
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		7	
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		7	
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	7	
05.1	Cocoa products and chocolate products including imitations and chocolate substitutes	200 mg/kg	Note 8	4	

ANNATTO EXTRACTS

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	GMP		7	
05.1.2	Cocoa mixes (syrups)	GMP		7	
05.1.3	Cocoa-based spreads, including fillings	GMP		7	
05.1.4	Cocoa and chocolate products	25 mg/kg	Note 9	7	
05.1.5	Imitation chocolate, chocolate substitute products	25 mg/kg	Note 9	7	
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	4	
05.3	Chewing gum	500 mg/kg	Note 9	7	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	1000 mg/kg		7	
06.3	Breakfast cereals, including rolled oats	75 mg/kg	Note 9	7	
06.4.2	Dried pastas and noodles and like products	100 mg/kg		4	
06.4.3	Pre-cooked pastas and noodles and like products	100 mg/kg		4	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	40 mg/kg	Note 9	7	
06.6	Batters (e.g., for breading or batters for fish or poultry)	20 mg/kg		7	
07.1	Bread and ordinary bakery wares	120 mg/kg		4	
07.1.4	Bread-type products, including bread stuffing and bread crumbs	20 mg/kg	Note 8	7	
07.2.1	Cakes, cookies and pies (e.g., fruit-filled or custard types)	15 mg/kg	Note 9	7	
07.2.2	Other fine bakery products (e.g., doughnuts, sweet rolls, scones, and muffins)	40 mg/kg	Note 9	7	
07.2.3	Mixes for fine bakery wares (e.g., cakes, pancakes)	15 mg/kg	Note 9	7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	20 mg/kg	Note 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	1000 mg/kg	Notes 9 & 94	7	
08.2	Processed meat, poultry, and game products in whole pieces or cuts	50 mg/kg	Note 9	7	
08.3.1.1	Cured (including salted) non-heat treated processed comminuted meat, poultry, and game products	1000 mg/kg	Notes 9 & 78	7	
08.3.1.2	Cured (including salted) and dried non-heat treated processed comminuted meat, poultry, and game products	20 mg/kg	Note 16	7	
08.3.1.3	Fermented non-heat treated processed comminuted meat, poultry, and game products	50 mg/kg	Note 9	7	
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	50 mg/kg	Note 9	7	
08.3.3	Frozen processed comminuted meat, poultry, and game products	20 mg/kg	Note 16	7	
08.4	Edible casings (e.g., sausage casings)	60 mg/kg	Note 9	7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	20 mg/kg	Note 16	7	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg		4	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	10 mg/kg	Note 9	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	30 mg/kg	Note 9	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	10 mg/kg	Note 9	7	
09.2.4.1	Cooked fish and fish products	30 mg/kg	Note 9	7	
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	15 mg/kg	Note 9	7	

ANNATTO EXTRACTS

Function: 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	15 mg/kg	Note 9	7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	15 mg/kg	Notes 9 & 22	7	
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg		4	
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	10 mg/kg	Note 8	7	
10.1	Fresh eggs	100 mg/kg	Note 4	4	
10.4	Egg-based desserts (e.g., custard)	10 mg/kg		7	
11.3	Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3	100 mg/kg		4	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	60 mg/kg		4	
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	30 mg/kg	Note 9	7	
12.4	Mustards	100 mg/kg	Note 8	7	
12.5	Soups and broths	150 mg/kg	Note 8	7	
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	100 mg/kg	Note 8	7	
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	100 mg/kg	Note 8	7	
12.6.3	Mixes for sauces and gravies	100 mg/kg	Note 8	7	
12.6.4	Clear sauces (e.g., fish sauce)	400 mg/kg		7	
13.6	Food supplements	60 mg/kg		4	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	50 mg/kg	Note 9	7	
14.2.3.1	Still grape wine	10 mg/kg		4	
14.2.3.2	Sparkling and semi-sparkling grape wines	10 mg/kg		4	
14.2.3.3	Fortified grape wine, grape liquor wine, and sweet grape wine	15 mg/kg		4	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	10 mg/kg		7	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	10 mg/kg		7	
15.0	Ready-to-eat savouries	300 mg/kg	Note 9	7	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	200 mg/kg		7	

ASCORBIC ACID

Ascorbic Acid

INS: 300

Function: Antioxidant, Colour Retention Agent

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
02.1	Fats and oils essentially free from water	200 mg/kg		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1	Fresh fruit	500 mg/kg		7	

ASCORBIC ACID

Function: Antioxidant, Colour Retention Agent

Food Cat. No.	Food Category	Max Level	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	500 mg/kg		7	
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		7	
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		4	
06.2.1	Flours	300 mg/kg		7	
06.4.1	Fresh pastas and noodles and like products	200 mg/kg		4	
06.4.2	Dried pastas and noodles and like products	200 mg/kg		4	
08.1	Fresh meat, poultry, and game	2000 mg/kg		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg		7	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	400 mg/kg		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg		7	
12.1.2	Salt Substitutes	GMP		4	
12.2.1	Herbs and spices	GMP	Note 51	4	
13.1.2	Follow-up formulae	50 mg/kg		7	
13.2	Complementary foods for infants and young children	3000 mg/kg		7	
14.1.2.1	Fruit juice	GMP		Adopted 2005	
14.1.2.2	Vegetable juice	GMP		4	
14.1.2.3	Concentrates for fruit juice	GMP	Note 127	Adopted 2005	
14.1.2.4	Concentrates for vegetable juice	GMP		4	
14.1.3.1	Fruit nectar	GMP		Adopted 2005	
14.1.3.2	Vegetable nectar	GMP		4	
14.1.3.3	Concentrates for fruit nectar	GMP	Note 127	Adopted 2005	
14.1.3.4	Concentrates for vegetable nectar	GMP		4	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	500 mg/kg		4	
14.2.3	Grape wines	250 mg/kg		4	

ASCORBYL ESTERS

Ascorbyl Palmitate

INS: 304

Ascorbyl Stearate

INS: 305

Function: Antioxidant

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	

ASCORBYL ESTERS

Function: Antioxidant

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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 mainly 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
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)	500 mg/kg	Note 10	Adopted	2005
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	10 mg/kg	Notes 10 & 15	Adopted	2005
13.2	Complementary foods for infants and young children	100 mg/kg	Note 10	Adopted	2001

ASCORBYL ESTERS

Function: Antioxidant

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
13.4	Dietetic formulae for slimming purposes and weight reduction	500 mg/kg	Note 10	Adopted	2005
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	4	
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	6000 mg/kg		3	
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)	6000 mg/kg		3	
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)	5000 mg/kg		3	
01.5.2	Milk and cream powder analogues	2000 mg/kg		6	
01.6.1	Unripened cheese	1000 mg/kg		3	
01.6.5	Cheese analogues	1000 mg/kg		6	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	3000 mg/kg		6	
02.3	Fat emulsions mainly 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		6	
03.0	Edible ices, including sherbet and sorbet	3000 mg/kg		6	
04.1.2.1	Frozen fruit	2000 mg/kg		3	
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	

ASPARTAME

Function: Flavor Enhancer, Sweetener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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		6	
04.1.2.11	Fruit fillings for pastries	3000 mg/kg		6	
04.1.2.12	Cooked fruit	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	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	2500 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	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 (syrops)	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/kg		6	
07.1	Bread and ordinary bakery wares	4000 mg/kg		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	300 mg/kg		6	

ASPARTAME

Function: Flavor Enhancer, Sweetener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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	GMP		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/kg		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	GMP		3	
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		Adopted 2005	
14.1.3.2	Vegetable nectar	2000 mg/kg		6	
14.1.3.3	Concentrates for fruit nectar	600 mg/kg	Note 127	Adopted 2005	
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	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	

ASPARTAME

Function: Flavor Enhancer, Sweetener

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)	1000 mg/kg		6	
15.0	Ready-to-eat savouries	500 mg/kg		6	

AZODICARBONAMIDE

Azodicarbonamide

INS: 927a

Function: Adjuvant, Flour Treatment Agent

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
06.2.1	Flours	45 mg/kg		Adopted	1999

AZORUBINE

Azorubine

INS: 122

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		7	
01.6.1	Unripened cheese	GMP	Note 3	7	
01.6.2.2	Rind of ripened cheese	GMP		7	
01.6.3	Whey cheese	GMP	Note 3	7	
01.6.4	Processed cheese	200 mg/kg		7	
01.6.5	Cheese analogues	GMP	Note 3	7	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	150 mg/kg		7	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	150 mg/kg		7	
03.0	Edible ices, including sherbet and sorbet	150 mg/kg		7	
04.1.1.2	Surface-treated fresh fruit	500 mg/kg	Note 16	7	
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg		7	
04.1.2.5	Jams, jellies, marmelades	500 mg/kg		7	
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/kg		7	
04.1.2.7	Candied fruit	200 mg/kg		7	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	500 mg/kg		7	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	150 mg/kg		7	
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	7	
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		7	

AZORUBINE

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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		7	
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		7	
05.1	Cocoa products and chocolate products including imitations and chocolate substitutes	50 mg/kg		7	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	300 mg/kg		7	
05.3	Chewing gum	300 mg/kg		7	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500 mg/kg		7	
06.3	Breakfast cereals, including rolled oats	200 mg/kg		7	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	150 mg/kg		7	
07.1.2	Crackers, excluding sweet crackers	50 mg/kg		4	
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	50 mg/kg		4	
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	200 mg/kg		7	
08.0	Meat and meat products, including poultry and game	500 mg/kg	Note 16	7	
09.1.1	Fresh fish	300 mg/kg	Note 50	7	
09.1.2	Fresh mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 95	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	7	
09.2.4.1	Cooked fish and fish products	500 mg/kg		7	
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	250 mg/kg		7	
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 22	7	
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	500 mg/kg	Note 16	7	
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	500 mg/kg	Note 16	7	
09.3.3	Salmon substitutes, caviar, and other fish roe products	500 mg/kg		7	
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		7	
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg		7	
10.1	Fresh eggs	GMP	Note 4	7	
10.4	Egg-based desserts (e.g., custard)	50 mg/kg		7	
12.2.2	Seasonings and condiments	500 mg/kg		7	
12.4	Mustards	300 mg/kg		7	
12.5	Soups and broths	300 mg/kg		7	

AZORUBINE

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
12.6	Sauces and like products	500 mg/kg		7	
12.9.5	Other protein products	100 mg/kg		7	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	50 mg/kg		7	
13.4	Dietetic formulae for slimming purposes and weight reduction	50 mg/kg		7	
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		7	
13.6	Food supplements	300 mg/kg		7	
14.1.2.2	Vegetable juice	GMP		7	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	100 mg/kg		7	
14.2.2	Cider and perry	200 mg/kg		7	
14.2.4	Wines (other than grape)	200 mg/kg		7	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	200 mg/kg		7	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	200 mg/kg		7	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	550 mg/kg		4	
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	100 mg/kg		7	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	500 mg/kg		7	

BEESWAX, WHITE AND YELLOW

Beeswax, White and Yellow

INS: 901

Function: 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	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		7	
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

BEET RED

BEET RED

Beet Red

INS: 162

Function:	Colour					
Food Cat. No.	Food Category	Max Level	Comments	Step	Year	
01.4.1	Pasteurized cream (plain)	GMP		7		
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7		
02.1	Fats and oils essentially free from water	GMP		7		
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7		
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	7		
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	7		
06.1	Whole, broken, or flaked grain, including rice	GMP		7		
06.4.2	Dried pastas and noodles and like products	GMP		7		
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	7		
08.1.2	Fresh meat, poultry, and game, comminuted	GMP	Note 117	7		
09.1.1	Fresh fish	GMP	Note 50	7		
09.1.2	Fresh mollusks, crustaceans, and echinoderms	GMP	Note 16	7		
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7		
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7		
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7		
09.2.4.1	Cooked fish and fish products	GMP		7		
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	GMP		7		
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7		
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 22	7		
10.1	Fresh eggs	GMP	Note 4	7		
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7		
12.1.1	Salt	GMP		4		
13.1.3	Formulae for special medical purposes for infants	20 mg/kg	Note 84	4		
14.2.3.2	Sparkling and semi-sparkling grape wines	GMP		7		
14.2.3.3	Fortified grape wine, grape liquor wine, and sweet grape wine	GMP		7		

BENZOATES

Benzoic Acid

INS: 210

Sodium Benzoate

INS: 211

Potassium Benzoate

INS: 212

Calcium Benzoate

INS: 213

Function: Preservative

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

Function: Preservative

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	Note 13	Adopted	2001
02.2.1.2	Margarine and similar products	1000 mg/kg	Note 13	Adopted	2001
02.2.2	Emulsions containing less than 80% fat	1000 mg/kg	Note 13	Adopted	2001
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	1000 mg/kg	Note 13	Adopted	2001
02.4	Fat-based desserts excluding dairy-based dessert products 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	1000 mg/kg	Note 13	Adopted	2001
04.1.2.5	Jams, jellies, marmelades	1000 mg/kg	Note 13	Adopted	2001
04.1.2.5	Jams, jellies, marmelades	1500 mg/kg	Note 13	3	
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	1000 mg/kg	Note 13	Adopted	2001
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	Adopted	2005
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

BENZOATES

Function: Preservative

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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	1000 mg/kg	Notes 3 & 13	Adopted	2005
08.3.1.2	Cured (including salted) and dried non-heat treated processed comminuted meat, poultry, and game products	1000 mg/kg	Notes 3 & 13	Adopted	2005
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
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
12.2.2	Seasonings and condiments	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
14.1.2.1	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	Notes 13 & 124	Adopted	2004

BENZOATES

Function: Preservative

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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: Bleaching Agent (Not for Flour), Flour Treatment Agent

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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		Adopted	2005
06.2.1	Flours	66 mg/kg		6	

BHA

Butylated Hydroxyanisole

INS: 320

Function: 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 & 130	3	
01.3.1	Condensed milk (plain)	100 mg/kg	Notes 15, 88 & 130	6	
01.3.1	Condensed milk (plain)	200 mg/kg	Notes 15, 88 & 130	3	
01.5.1	Milk powder and cream powder (plain)	200 mg/kg	Notes 15 & 130	6	
01.5.2	Milk and cream powder analogues	100 mg/kg	Notes 15 & 130	6	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	2 mg/kg	Notes 15 & 130	6	
02.0	Fats and oils, and fat emulsions	200 mg/kg	Notes 15 & 130	6	
02.2.1.2	Margarine and similar products	200 mg/kg	Notes 15 & 130	Adopted	2005
02.2.2	Emulsions containing less than 80% fat	200 mg/kg	Notes 15 & 130	Adopted	2005
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	200 mg/kg	Notes 15 & 130	Adopted	2005
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	200 mg/kg	Notes 15 & 130	Adopted	2005
03.0	Edible ices, including sherbet and sorbet	200 mg/kg	Notes 15 & 130	6	

BHA

Function: Antioxidant

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
04.1.2.2	Dried fruit	200 mg/kg	Notes 15 & 130	6	
04.1.2.7	Candied fruit	32 mg/kg	Notes 15 & 130	6	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	2 mg/kg	Notes 15 & 130	6	
04.1.2.12	Cooked fruit	100 mg/kg	Notes 15 & 130	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	Notes 15, 76 & 130	Adopted 2005	
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	Notes 15 & 130	6	
05.1.4	Cocoa and chocolate products	200 mg/kg	Notes 15 & 130	6	
05.1.5	Imitation chocolate, chocolate substitute products	200 mg/kg	Notes 15 & 130	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	Notes 15 & 130	6	
05.3	Chewing gum	750 mg/kg	Note 130	6	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	200 mg/kg	Notes 15 & 130	6	
06.3	Breakfast cereals, including rolled oats	200 mg/kg	Notes 15 & 130	Adopted 2005	
06.4.3	Pre-cooked pastas and noodles and like products	200 mg/kg	Notes 15 & 130	3	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	2 mg/kg	Notes 15 & 130	6	
07.0	Bakery wares	200 mg/kg	Notes 15 & 130	6	
08.2	Processed meat, poultry, and game products in whole pieces or cuts	200 mg/kg	Notes 15 & 130	Adopted 2005	
08.3	Processed comminuted meat, poultry, and game products	200 mg/kg	Notes 15 & 130	Adopted 2005	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg	Notes 15 & 130	6	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	Notes 15 & 130	6	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	Notes 15 & 130	6	
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	Notes 15 & 130	6	
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	Notes 15 & 130	6	
10.4	Egg-based desserts (e.g., custard)	2 mg/kg	Notes 15 & 130	6	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	20 mg/kg	Notes 15 & 130	6	
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	200 mg/kg	Notes 15 & 130	Adopted 2005	
12.5	Soups and broths	200 mg/kg	Notes 15 & 130	6	
12.6	Sauces and like products	200 mg/kg	Notes 15 & 130	Adopted 2005	
12.8	Yeast and like products	1000 mg/kg	Notes 15 & 130	6	
13.6	Food supplements	400 mg/kg	Notes 15 & 130	6	

BHA

Function: Antioxidant

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	1000 mg/kg	Notes 15 & 130	6	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	200 mg/kg	Notes 15 & 130	Adopted	2005
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	200 mg/kg	Notes 15 & 130	Adopted	2005

BHT

Butylated Hydroxytoluene

INS: 321

Function: Adjuvant, 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 & 130	3	
01.3.1	Condensed milk (plain)	100 mg/kg	Notes 15, 88 & 130	6	
01.3.1	Condensed milk (plain)	200 mg/kg	Notes 15, 88 & 130	3	
01.5.1	Milk powder and cream powder (plain)	200 mg/kg	Notes 15 & 130	6	
01.5.2	Milk and cream powder analogues	100 mg/kg	Notes 15 & 130	6	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	90 mg/kg	Notes 2, 15 & 130	6	
02.1	Fats and oils essentially free from water	200 mg/kg	Notes 15 & 130	6	
02.2.1.1	Butter and concentrated butter	200 mg/kg	Notes 15 & 130	6	
02.2.1.2	Margarine and similar products	500 mg/kg	Notes 15 & 130	6	
02.2.2	Emulsions containing less than 80% fat	200 mg/kg	Notes 15 & 130	Adopted	2005
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	200 mg/kg	Notes 15 & 130	Adopted	2005
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	200 mg/kg	Notes 15 & 130	Adopted	2005
03.0	Edible ices, including sherbet and sorbet	100 mg/kg	Notes 15 & 130	6	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	90 mg/kg	Notes 2, 15 & 130	6	
04.1.2.12	Cooked fruit	100 mg/kg	Notes 15 & 130	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	Notes 15, 76 & 130	Adopted	2005
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	Notes 15 & 130	6	
05.1.4	Cocoa and chocolate products	200 mg/kg	Notes 15 & 130	6	
05.1.5	Imitation chocolate, chocolate substitute products	200 mg/kg	Notes 15 & 130	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	Notes 15 & 130	6	

BHT

Function: Adjuvant, Antioxidant

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
05.3	Chewing gum	750 mg/kg	Note 130	6	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	200 mg/kg	Notes 15 & 130	6	
06.1	Whole, broken, or flaked grain, including rice	200 mg/kg	Notes 15 & 130	6	
06.3	Breakfast cereals, including rolled oats	50 mg/kg	Notes 15 & 130	6	
06.4.3	Pre-cooked pastas and noodles and like products	200 mg/kg	Notes 15 & 130	6	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	90 mg/kg	Notes 2, 15 & 130	6	
07.0	Bakery wares	200 mg/kg	Notes 15 & 130	6	
08.2	Processed meat, poultry, and game products in whole pieces or cuts	100 mg/kg	Notes 15 & 130	6	
08.3	Processed comminuted meat, poultry, and game products	100 mg/kg	Notes 15 & 130	6	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg	Notes 15 & 130	6	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	Notes 15 & 130	6	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	Notes 15 & 130	6	
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	Notes 15 & 130	6	
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	Notes 15 & 130	6	
10.4	Egg-based desserts (e.g., custard)	90 mg/kg	Notes 2, 15 & 130	6	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	20 mg/kg	Notes 15 & 130	6	
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	200 mg/kg	Notes 15 & 130	6	
12.5	Soups and broths	200 mg/kg	Notes 15 & 130	6	
12.6	Sauces and like products	200 mg/kg	Notes 15 & 130	6	
13.6	Food supplements	400 mg/kg	Notes 15 & 130	6	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	1000 mg/kg	Notes 15 & 130	6	
15.0	Ready-to-eat savouries	200 mg/kg	Notes 15 & 130	6	

BLEACHED STARCH

Bleached Starch

INS: 1403

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		4	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	
02.1	Fats and oils essentially free from water	GMP		7	

BLEACHED STARCH

Function: Bulking Agent, Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000 mg/kg		7	
13.1.1	Infant formulae	GMP		4	
13.1.2	Follow-up formulae	GMP		4	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	10000 mg/kg		7	

BRILLIANT BLACK PN

Brilliant Black PN

INS: 151

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		7	
01.6.1	Unripened cheese	GMP	Note 3	7	
01.6.2.2	Rind of ripened cheese	GMP		7	
01.6.3	Whey cheese	GMP	Note 3	7	
01.6.4	Processed cheese	200 mg/kg		7	
01.6.5	Cheese analogues	GMP	Note 3	7	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	150 mg/kg		7	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	150 mg/kg		7	
03.0	Edible ices, including sherbet and sorbet	150 mg/kg		7	
04.1.1.2	Surface-treated fresh fruit	500 mg/kg	Note 16	7	
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg		7	
04.1.2.5	Jams, jellies, marmelades	500 mg/kg		7	
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/kg		7	
04.1.2.7	Candied fruit	200 mg/kg		7	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	500 mg/kg		7	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	150 mg/kg		7	
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	7	
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		7	
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		7	
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		7	

BRILLIANT BLACK PN

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
05.1.4	Cocoa and chocolate products	300 mg/kg		7	
05.1.5	Imitation chocolate, chocolate substitute products	300 mg/kg		7	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	300 mg/kg		7	
05.3	Chewing gum	300 mg/kg		7	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500 mg/kg		7	
06.3	Breakfast cereals, including rolled oats	200 mg/kg		7	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	150 mg/kg		7	
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	200 mg/kg		7	
08.0	Meat and meat products, including poultry and game	500 mg/kg	Note 16	7	
09.1.1	Fresh fish	300 mg/kg	Note 50	7	
09.1.2	Fresh mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 95	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	7	
09.2.4.1	Cooked fish and fish products	500 mg/kg		7	
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	250 mg/kg		7	
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 22	7	
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	500 mg/kg	Note 16	7	
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	500 mg/kg	Note 16	7	
09.3.3	Salmon substitutes, caviar, and other fish roe products	500 mg/kg		7	
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		7	
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg		7	
10.1	Fresh eggs	GMP	Note 4	7	
10.4	Egg-based desserts (e.g., custard)	150 mg/kg		7	
12.2.2	Seasonings and condiments	500 mg/kg		7	
12.4	Mustards	300 mg/kg		7	
12.5	Soups and broths	300 mg/kg		7	
12.6	Sauces and like products	500 mg/kg		7	
12.9.5	Other protein products	100 mg/kg		7	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	50 mg/kg		7	
13.4	Dietetic formulae for slimming purposes and weight reduction	50 mg/kg		7	
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		7	
13.6	Food supplements	300 mg/kg		7	

BRILLIANT BLACK PN

Function: Colour

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		7	
14.2.2	Cider and perry	200 mg/kg		7	
14.2.4	Wines (other than grape)	200 mg/kg		7	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	200 mg/kg		7	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	200 mg/kg		7	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	200 mg/kg		7	
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	100 mg/kg		7	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	500 mg/kg		7	

BRILLIANT BLUE FCF

Brilliant Blue FCF

INS: 133

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		Adopted	2005
01.6.1	Unripened cheese	200 mg/kg	Note 3	3	
01.6.2.2	Rind of ripened cheese	100 mg/kg		Adopted	2005
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	200 mg/kg	Note 3	3	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	150 mg/kg		Adopted	2005
02.1.3	Lard, tallow, fish oil, and other animal fats	200 mg/kg		3	
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	100 mg/kg		Adopted	2005
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	150 mg/kg		Adopted	2005
03.0	Edible ices, including sherbet and sorbet	150 mg/kg		Adopted	2005
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		Adopted	2005
04.1.2.11	Fruit fillings for pastries	250 mg/kg		Adopted	2005

BRILLIANT BLUE FCF

Function: Colour

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	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	
05.1.3	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			Adopted 2005
05.3	Chewing gum	300 mg/kg			Adopted 2005
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500 mg/kg			Adopted 2005
06.3	Breakfast cereals, including rolled oats	200 mg/kg			Adopted 2005
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	150 mg/kg			Adopted 2005
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		Adopted 2005
09.1.2	Fresh mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16		Adopted 2005
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 95		Adopted 2005
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16		Adopted 2005
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16		Adopted 2005
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		Adopted 2005
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		Adopted 2005
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	500 mg/kg	Note 16		Adopted 2005

BRILLIANT BLUE FCF

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
09.3.3	Salmon substitutes, caviar, and other fish roe products	500 mg/kg		Adopted	2005
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		Adopted	2005
10.1	Fresh eggs	GMP	Note 4	Adopted	2005
10.4	Egg-based desserts (e.g., custard)	150 mg/kg		Adopted	2005
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		Adopted	2005
13.4	Dietetic formulae for slimming purposes and weight reduction	50 mg/kg		Adopted	2005
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		Adopted	2005
13.6	Food supplements	300 mg/kg		Adopted	2005
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	100 mg/kg		Adopted	2005
14.2.1	Beer and malt beverages	200 mg/kg		3	
14.2.2	Cider and perry	200 mg/kg		Adopted	2005
14.2.4	Wines (other than grape)	200 mg/kg		Adopted	2005
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	200 mg/kg		Adopted	2005
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	200 mg/kg		Adopted	2005
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	200 mg/kg		Adopted	2005
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	100 mg/kg		Adopted	2005
16.0	Composite foods - foods that could not be placed in categories 01 - 15	100 mg/kg	Note 2	7	

BROMELAIN

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		7	
14.2.3.2	Sparkling and semi-sparkling grape wines	GMP		7	

BROWN HT

Brown HT

INS: 155

BROWN HT

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		7	
01.6.1	Unripened cheese	GMP	Note 3	7	
01.6.2.2	Rind of ripened cheese	GMP		7	
01.6.3	Whey cheese	GMP	Note 3	7	
01.6.4	Processed cheese	200 mg/kg		7	
01.6.5	Cheese analogues	GMP	Note 3	7	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	150 mg/kg		7	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	150 mg/kg		7	
03.0	Edible ices, including sherbet and sorbet	150 mg/kg		7	
04.1.1.2	Surface-treated fresh fruit	500 mg/kg	Note 16	7	
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg		7	
04.1.2.5	Jams, jellies, marmelades	500 mg/kg		7	
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/kg		7	
04.1.2.7	Candied fruit	200 mg/kg		7	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	500 mg/kg		7	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	150 mg/kg		7	
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	7	
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		7	
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		7	
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		7	
05.1.4	Cocoa and chocolate products	80 mg/kg		7	
05.1.5	Imitation chocolate, chocolate substitute products	80 mg/kg		7	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	300 mg/kg		7	
05.3	Chewing gum	300 mg/kg		7	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500 mg/kg		7	
06.3	Breakfast cereals, including rolled oats	200 mg/kg		7	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	150 mg/kg		7	
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	200 mg/kg		7	
08.0	Meat and meat products, including poultry and game	500 mg/kg	Note 16	7	
09.1.1	Fresh fish	300 mg/kg	Note 50	7	
09.1.2	Fresh mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	7	

BROWN HT

Function: Colour

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	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	7	
09.2.4.1	Cooked fish and fish products	500 mg/kg		7	
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	250 mg/kg		7	
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 22	7	
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	500 mg/kg	Note 16	7	
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	500 mg/kg	Note 16	7	
09.3.3	Salmon substitutes, caviar, and other fish roe products	500 mg/kg		7	
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		7	
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg		7	
10.1	Fresh eggs	GMP	Note 4	7	
10.4	Egg-based desserts (e.g., custard)	50 mg/kg		7	
12.2.2	Seasonings and condiments	500 mg/kg		7	
12.4	Mustards	300 mg/kg		7	
12.5	Soups and broths	300 mg/kg		7	
12.6	Sauces and like products	500 mg/kg		7	
12.9.5	Other protein products	100 mg/kg		7	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	50 mg/kg		7	
13.4	Dietetic formulae for slimming purposes and weight reduction	50 mg/kg		7	
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		7	
13.6	Food supplements	300 mg/kg		7	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	100 mg/kg		7	
14.2.2	Cider and perry	200 mg/kg		7	
14.2.4	Wines (other than grape)	200 mg/kg		7	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	200 mg/kg		7	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	200 mg/kg		7	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	200 mg/kg		7	
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	100 mg/kg		7	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	500 mg/kg		7	

CALCIUM ACETATE

CALCIUM ACETATE

Calcium Acetate

INS: 263

Function: Acidity Regulator, Preservative, 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)	1500 mg/kg		7	
13.2	Complementary foods for infants and young children	GMP		7	

CALCIUM ALGINATE

Calcium Alginate

INS: 404

Function: Antifoaming Agent, Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1.2	Buttermilk (plain)	6000 mg/kg		7	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	5000 mg/kg		7	
01.4.1	Pasteurized cream (plain)	1000 mg/kg		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000 mg/kg		7	
02.1	Fats and oils essentially free from water	5000 mg/kg		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP		7	
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		7	
06.4.2	Dried pastas and noodles and like products	GMP		7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	5000 mg/kg		7	
10.2.1	Liquid egg products	6000 mg/kg		7	
10.2.2	Frozen egg products	6000 mg/kg		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000 mg/kg		7	
13.1.1	Infant formulae	300 mg/kg		7	
13.1.3	Formulae for special medical purposes for infants	5000 mg/kg		4	
13.2	Complementary foods for infants and young children	5000 mg/kg		7	
14.2.3.2	Sparkling and semi-sparkling grape wines	GMP		7	

CALCIUM ALUMINIUM SILICATE (SYNTHETIC)

Calcium Aluminium Silicate (Synthetic)

INS: 556

Function: Anticaking Agent

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
06.1	Whole, broken, or flaked grain, including rice	GMP		7	
11.1.2	Powdered sugar, powdered dextrose	15000 mg/kg	Note 56	7	

CALCIUM ALUMINIUM SILICATE (SYNTHETIC)

Function: Anticaking Agent

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
12.1.1	Salt	20000 mg/kg		7	
12.1.2	Salt Substitutes	10000 mg/kg		7	
14.2.3	Grape wines	GMP		7	

CALCIUM ASCORBATE

Calcium Ascorbate

INS: 302

Function: Antioxidant

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1	Fresh fruit	GMP		7	
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		7	
06.4.1	Fresh pastas and noodles and like products	200 mg/kg		4	
06.4.2	Dried pastas and noodles and like products	200 mg/kg		4	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	400 mg/kg		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 15	7	
13.1.2	Follow-up formulae	50 mg/kg		7	
13.1.3	Formulae for special medical purposes for infants	3000 mg/kg		4	
13.2	Complementary foods for infants and young children	3000 mg/kg		7	
14.1.2.1	Fruit juice	GMP		Adopted 2005	
14.1.2.3	Concentrates for fruit juice	GMP	Note 127	Adopted 2005	
14.1.3.1	Fruit nectar	GMP		Adopted 2005	
14.1.3.3	Concentrates for fruit nectar	GMP	Note 127	Adopted 2005	
14.2.3	Grape wines	GMP		7	

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)	GMP		7	
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000 mg/kg		7	

CALCIUM CARBONATE

Function: Anticaking Agent, Acidity Regulator, Colour, Emulsifier, Stabilizer

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	7	
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	7	
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	4	
06.1	Whole, broken, or flaked grain, including rice	2220 mg/kg		7	
06.2	Flours and starches (including soybean powder)	10000 mg/kg	Note 58	4	
06.2.1	Flours	GMP	Note 57	7	
06.4.1	Fresh pastas and noodles and like products	10000 mg/kg	Note 58	4	
06.4.2	Dried pastas and noodles and like products	10000 mg/kg	Note 58	4	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	1500 mg/kg		7	
09.1.1	Fresh fish	GMP	Note 50	7	
09.1.2	Fresh mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	10000 mg/kg	Note 58	4	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 95	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.4.1	Cooked fish and fish products	GMP		7	
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	GMP		7	
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
10.1	Fresh eggs	GMP	Note 4	7	
12.1.1	Salt	20000 mg/kg		7	
12.1.2	Salt Substitutes	10000 mg/kg	Note 58	4	
12.2.1	Herbs and spices	10000 mg/kg	Notes 51& 58	4	
13.1.1	Infant formulae	GMP		7	
13.1.2	Follow-up formulae	GMP		7	
13.1.3	Formulae for special medical purposes for infants	GMP		4	
13.2	Complementary foods for infants and young children	GMP		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	10000 mg/kg	Note 58	4	
14.2.3	Grape wines	3500 mg/kg		7	

CALCIUM CHLORIDE

Calcium Chloride

INS: 509

CALCIUM CHLORIDE

Function: Firming Agent, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	
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	7	
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	7	
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		7	
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	4	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	15000 mg/kg		7	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	10000 mg/kg	Note 58	4	
12.1.2	Salt Substitutes	10000 mg/kg	Note 58	4	
12.2.1	Herbs and spices	10000 mg/kg	Notes 51 & 58	4	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	10000 mg/kg	Note 58	4	

CALCIUM CITRATES

Calcium Citrates

INS: 333

Function: Acidity Regulator, Antioxidant, Emulsifier, Firming Agent, Sequestrant

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
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		7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
13.1.1	Infant formulae	GMP		7	
13.1.3	Formulae for special medical purposes for infants	GMP		4	
13.2	Complementary foods for infants and young children	GMP		7	

CALCIUM GLUCONATE

CALCIUM GLUCONATE

Calcium Gluconate

INS: 578

Function: Acidity 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	7	
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	7	
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	7	

CALCIUM GLUTAMATE, DI-L-

Calcium Glutamate, DI-L-

INS: 623

Function: Flavour Enhancer

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	

CALCIUM GUANYLATE, 5'-

Calcium Guanylate, 5'-

INS: 629

Function: Flavour Enhancer

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	

CALCIUM HYDROXIDE

Calcium Hydroxide

INS: 526

Function: Acidity Regulator, Firming Agent

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
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	7	
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	7	
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	7	

CALCIUM HYDROXIDE

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		7	
13.1.1	Infant formulae	GMP		7	
13.1.2	Follow-up formulae	GMP		7	
13.1.3	Formulae for special medical purposes for infants	GMP		4	
13.2	Complementary foods for infants and young children	GMP		7	

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		7	
12.2.1	Herbs and spices	GMP	Note 51	7	

CALCIUM LACTATE

Calcium Lactate

INS: 327

Function: Acidity Regulator, Antioxidant, Emulsifier, Firming Agent, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		4	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
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	4	
08.1.2	Fresh meat, poultry, and game, comminuted	6000 mg/kg		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	10000 mg/kg	Note 58	4	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	10000 mg/kg	Note 58	4	
12.1.1	Salt	GMP		7	
12.1.2	Salt Substitutes	10000 mg/kg	Note 58	4	
12.2.1	Herbs and spices	10000 mg/kg	Notes 51 & 58	4	
13.1.3	Formulae for special medical purposes for infants	GMP		4	
13.2	Complementary foods for infants and young children	GMP		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	10000 mg/kg	Note 58	4	

CALCIUM MALATE

CALCIUM MALATE

Calcium Malate

INS: 352ii

Function: Acidity Regulator

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
14.2.3	Grape wines	GMP		7	

CALCIUM OXIDE

Calcium Oxide

INS: 529

Function: Acidity Regulator, Flour Treatment Agent

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP		7	

CALCIUM PROPIONATE

Calcium Propionate

INS: 282

Function: Preservative

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
06.2	Flours and starches (including soybean powder)	1000 mg/kg		4	
06.4.1	Fresh pastas and noodles and like products	1000 mg/kg		4	
06.4.2	Dried pastas and noodles and like products	1000 mg/kg		4	

CALCIUM RIBONUCLEOTIDES, 5'

Calcium Ribonucleotides, 5'

INS: 634

Function: Flavour 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		4	
06.4.2	Dried pastas and noodles and like products	GMP		4	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	

CALCIUM SILICATE

Calcium Silicate

INS: 552

Function: Anticaking Agent

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

Function: Anticaking Agent

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
11.1.2	Powdered sugar, powdered dextrose	15000 mg/kg	Note 56	7	
12.1.1	Salt	20000 mg/kg		7	
12.1.2	Salt Substitutes	10000 mg/kg		7	

CALCIUM SULPHATE

Calcium Sulphate

INS: 516

Function: Acidity Regulator, Bulking Agent, Firming Agent, Flour Treatment Agent, Sequestrant, Stabilizer, Thickener

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	7	
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	7	
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		7	
06.2.1	Flours	GMP	Note 57	7	
06.4.2	Dried pastas and noodles and like products	5000 mg/kg		7	
14.2.3.3	Fortified grape wine, grape liquor wine, and sweet grape wine	2000 mg/kg		7	

CANDELILLA WAX

Candelilla Wax

INS: 902

Function: 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	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		7	

CANDELILLA WAX

Function: Bulking Agent, Carrier Solvent, Glazing Agent, Release Agent

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	Note 108	Adopted	2001
15.0	Ready-to-eat savouries	GMP	Note 3	Adopted	2001

CANTHAXANTHIN

Canthaxanthin

INS: 161g

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	
01.6	Cheese and analogues	GMP		6	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	GMP		6	
02.0	Fats and oils, and fat emulsions	GMP		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	GMP		6	
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	GMP		6	
04.1.2.11	Fruit fillings for pastries	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	8.2 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	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	50 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	GMP		6	
06.3	Breakfast cereals, including rolled oats	35 mg/kg		6	
06.3	Breakfast cereals, including rolled oats	50 mg/kg		3	
06.4.2	Dried pastas and noodles and like products	GMP		6	
06.4.3	Pre-cooked pastas and noodles and like products	GMP		6	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	GMP		6	
07.0	Bakery wares	GMP		6	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	100 mg/kg		6	
08.1.2	Fresh meat, poultry, and game, comminuted	1000 mg/kg	Note 94	6	
08.3.1.1	Cured (including salted) non-heat treated processed comminuted meat, poultry, and game products	100 mg/kg	Note 118	6	
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	15 mg/kg		6	

CANTHAXANTHIN

Function: Colour

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	
09.2.4.1	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	Note 4	Adopted 2005	
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	
14.1.4.2	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)	5 mg/kg		3	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	GMP		6	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	GMP	Note 2	6	

CARAMEL COLOUR, CLASS I

Caramel Colour, Class I - Plain

INS: 150a

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	7	
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	7	

CARAMEL COLOUR, CLASS I

Function: Colour

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		4	
06.1	Whole, broken, or flaked grain, including rice	GMP		7	
06.4.2	Dried pastas and noodles and like products	GMP		7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	
09.1.1	Fresh fish	GMP	Note 50	7	
09.1.2	Fresh mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 95	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 41	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.4.1	Cooked fish and fish products	GMP		7	
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	GMP		7	
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
10.1	Fresh eggs	GMP	Note 4	7	
11.1.2	Powdered sugar, powdered dextrose	GMP		7	
12.1.2	Salt Substitutes	GMP		4	
12.2.1	Herbs and spices	GMP	Note 51	4	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		4	
14.2.3	Grape wines	GMP		7	

CARAMEL COLOUR, CLASS II

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

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)	50000 mg/kg		4	
01.6	Cheese and analogues	50000 mg/kg		4	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	50000 mg/kg		4	
01.8	Whey and whey products, excluding whey cheeses	50000 mg/kg		4	
02.0	Fats and oils, and fat emulsions	20000 mg/kg		4	
03.0	Edible ices, including sherbet and sorbet	30000 mg/kg		4	
04.1.2	Processed fruit	80000 mg/kg		4	

CARAMEL COLOUR, CLASS II

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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		4	
05.0	Confectionery	50000 mg/kg		4	
06.3	Breakfast cereals, including rolled oats	50000 mg/kg		4	
06.4.2	Dried pastas and noodles and like products	50000 mg/kg		4	
06.4.3	Pre-cooked pastas and noodles and like products	50000 mg/kg		4	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	50000 mg/kg		4	
06.6	Batters (e.g., for breading or batters for fish or poultry)	50000 mg/kg		4	
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	50000 mg/kg		4	
07.0	Bakery wares	50000 mg/kg		4	
08.0	Meat and meat products, including poultry and game	200000 mg/kg	Note 16	4	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	30000 mg/kg	Note 16	4	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	30000 mg/kg		4	
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	30000 mg/kg		4	
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	30000 mg/kg		4	
10.1	Fresh eggs	20000 mg/kg	Note 4	4	
10.2	Egg products	20000 mg/kg		4	
10.3	Preserved eggs, including alkaline, salted, and canned eggs	20000 mg/kg		4	
10.4	Egg-based desserts (e.g., custard)	20000 mg/kg		4	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	50000 mg/kg		4	
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	50000 mg/kg		4	
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	100000 mg/kg		4	
12.3	Vinegars	100000 mg/kg		4	
12.4	Mustards	100000 mg/kg		4	
12.5	Soups and broths	100000 mg/kg		4	
12.6	Sauces and like products	100000 mg/kg		4	
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		4	
12.9.1	Soybean protein products	100000 mg/kg		4	
12.9.3	Semi-dehydrated bean curd	80000 mg/kg		4	
12.9.5	Other protein products	100000 mg/kg		4	
12.10	Fermented soybean products	100000 mg/kg		4	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	20000 mg/kg		4	
13.4	Dietetic formulae for slimming purposes and weight reduction	20000 mg/kg		4	
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		4	
13.6	Food supplements	35000 mg/kg		4	

CARAMEL COLOUR, CLASS II

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
14.1.2.2	Vegetable juice	50000 mg/kg		4	
14.1.2.4	Concentrates for vegetable juice	50000 mg/kg		4	
14.1.3.2	Vegetable nectar	50000 mg/kg		4	
14.1.3.4	Concentrates for vegetable nectar	50000 mg/kg		4	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	50000 mg/kg		4	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	50000 mg/kg		4	
14.2	Alcoholic beverages, including alcohol-free and low-alcoholic counterparts	50000 mg/kg		4	
15.0	Ready-to-eat savouries	10000 mg/kg		4	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	20000 mg/kg		4	

CARAMEL COLOUR, CLASS IIICaramel Colour, Class III - Ammonia INS: 150c
Process

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		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		4	
01.2.1	Fermented milks (plain)	150 mg/kg	Note 12	Adopted	1999
01.2.2	Renneted milk (plain)	GMP		Adopted	1999
01.3.2	Beverage whiteners	GMP		Adopted	1999
01.3.2	Beverage whiteners	1000 mg/kg		3	
01.4.3	Clotted cream (plain)	GMP		Adopted	1999
01.4.3	Clotted cream (plain)	5000 mg/kg		3	
01.4.4	Cream analogues	GMP		Adopted	1999
01.4.4	Cream analogues	5000 mg/kg		3	
01.5.2	Milk and cream powder analogues	GMP		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	GMP		Adopted	1999
01.6.2.2	Rind of ripened cheese	GMP		Adopted	1999
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/kg		Adopted	1999
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	50000 mg/kg		3	

CARMEL COLOUR, CLASS III

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.8	Whey and whey products, excluding whey cheeses	50000 mg/kg		3	
02.1	Fats and oils essentially free from water	20000 mg/kg		3	
02.2.1.2	Margarine and similar products	20000 mg/kg		3	
02.2.1.3	Blends of butter and margarine	20000 mg/kg		3	
02.2.2	Emulsions containing less than 80% fat	20000 mg/kg		3	
02.3	Fat emulsions mainly 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	GMP		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	

CARMEL COLOUR, CLASS III

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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	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	6500 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	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)	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)	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	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	50000 mg/kg		3	
07.1.5	Steamed breads and buns	50000 mg/kg		3	
07.1.6	Mixes for bread and ordinary bakery wares	50000 mg/kg		3	
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	GMP		Adopted	1999
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	50000 mg/kg		3	
08.0	Meat and meat products, including poultry and game	GMP	Note 3	Adopted	1999
08.0	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	
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

CARAMEL COLOUR, CLASS III

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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	Note 4	Adopted	1999
10.1	Fresh eggs	20000 mg/kg	Note 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	1000 mg/kg		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	GMP		Adopted	1999
12.5	Soups and broths	100000 mg/kg		3	
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	
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

CARAMEL COLOUR, CLASS III

Function: Colour

Food Cat. No.	Food Category	Max Level	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	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	50000 mg/kg		3	
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	50000 mg/kg		3	
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
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 IVCaramel Colour, Class IV - Ammonia INS: 150d
Sulphite Process

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		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)	GMP		Adopted	1999

CAMEL COLOUR, CLASS IV

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.3.2	Beverage whiteners	GMP		Adopted	1999
01.3.2	Beverage whiteners	1000 mg/kg		3	
01.4.3	Clotted cream (plain)	GMP		Adopted	1999
01.4.3	Clotted cream (plain)	5000 mg/kg		3	
01.4.4	Cream analogues	GMP		Adopted	1999
01.4.4	Cream analogues	5000 mg/kg		3	
01.5.2	Milk and cream powder analogues	GMP		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	GMP		Adopted	1999
01.6.2.2	Rind of ripened cheese	GMP		Adopted	1999
01.6.3	Whey cheese	GMP	Note 3	Adopted	1999
01.6.4	Processed cheese	100 mg/kg		Adopted	1999
01.6.4.1	Plain processed cheese	GMP		6	
01.6.4.2	Flavoured processed cheese, including containing fruit, vegetables, meat, etc.	100 mg/kg	Notes 5 & 72	6	
01.6.5	Cheese analogues	GMP		Adopted	1999
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	2000 mg/kg		Adopted	1999
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	
02.1	Fats and oils essentially free from water	20000 mg/kg		3	
02.2.1.2	Margarine and similar products	20000 mg/kg		3	
02.2.1.3	Blends of butter and margarine	20000 mg/kg		3	
02.2.2	Emulsions containing less than 80% fat	20000 mg/kg		3	
02.3	Fat emulsions mainly 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

CAMEL COLOUR, CLASS IV

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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	
05.1.2	Cocoa mixes (syrops)	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	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)	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)	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	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	50000 mg/kg		3	

CARMEL COLOUR, CLASS IV

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
07.1.5	Steamed breads and buns	50000 mg/kg		3	
07.1.6	Mixes for bread and ordinary bakery wares	50000 mg/kg		3	
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	50000 mg/kg		3	
07.2.1	Cakes, cookies 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
08.0	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	
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	Note 4	Adopted	1999
10.1	Fresh eggs	20000 mg/kg	Note 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		Adopted	1999
12.3	Vinegars	100000 mg/kg		3	
12.4	Mustards	GMP		Adopted	1999

CARMEL COLOUR, CLASS IV

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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	
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	50000 mg/kg		3	
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	50000 mg/kg		3	
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

CARMEL COLOUR, CLASS IV

Function: Colour

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

CARBON DIOXIDE

Carbon Dioxide

INS: 290

Function: Adjuvant, Carbonating Agent, Packing Gas

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1	Milk and buttermilk (plain)	GMP	Note 59	7	
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	GMP	Note 59	7	
01.4.1	Pasteurized cream (plain)	GMP	Note 59	7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP	Note 59	7	
04.1.1	Fresh fruit	GMP	Note 59	7	
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	7	
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	7	
06.4.1	Fresh pastas and noodles and like products	GMP	Note 59	4	
08.1.2	Fresh meat, poultry, and game, comminuted	100 mg/kg	Note 59	7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 59	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 59	7	
13.1.1	Infant formulae	GMP	Note 59	4	
13.1.2	Follow-up formulae	GMP	Note 59	4	
13.2	Complementary foods for infants and young children	GMP	Note 59	4	
14.1.2.1	Fruit juice	GMP	Note 69	Adopted	2005
14.1.2.3	Concentrates for fruit juice	GMP	Notes 69 & 127	Adopted	2005
14.1.3.1	Fruit nectar	GMP	Note 69	Adopted	2005
14.1.3.3	Concentrates for fruit nectar	GMP	Notes 69 & 127	Adopted	2005
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	Note 59	7	

CARBON DIOXIDE

Function: Adjuvant, Carbonating Agent, Packing Gas

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
14.2.3	Grape wines	GMP	Note 60	7	

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		Adopted	2005
01.6.1	Unripened cheese	GMP	Note 3	6	
01.6.2.1	Ripened cheese, includes rind	125 mg/kg		Adopted	2005
01.6.2.2	Rind of ripened cheese	GMP		6	
01.6.3	Whey cheese	GMP	Note 3	6	
01.6.4.2	Flavoured processed cheese, including containing fruit, vegetables, meat, etc.	100 mg/kg		Adopted	2005
01.6.5	Cheese analogues	GMP	Note 3	6	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	150 mg/kg		Adopted	2005
02.2.1.3	Blends of butter and margarine	500 mg/kg		3	
02.2.2	Emulsions containing less than 80% fat	500 mg/kg		3	
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	500 mg/kg		6	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	150 mg/kg		Adopted	2005
03.0	Edible ices, including sherbet and sorbet	150 mg/kg		Adopted	2005
04.1.1.2	Surface-treated fresh fruit	500 mg/kg	Note 16	Adopted	2005
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg		Adopted	2005
04.1.2.5	Jams, jellies, marmelades	200 mg/kg		Adopted	2005
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/kg		Adopted	2005
04.1.2.7	Candied fruit	200 mg/kg		Adopted	2005
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	500 mg/kg		Adopted	2005
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	150 mg/kg		Adopted	2005
04.1.2.11	Fruit fillings for pastries	300 mg/kg		Adopted	2005
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	Adopted	2005
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)	100 mg/kg		Adopted	2005

CARMINES

Function: Colour

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	200 mg/kg			Adopted 2005
05.1.2	Cocoa mixes (syrops)	300 mg/kg			Adopted 2005
05.1.5	Imitation chocolate, chocolate substitute products	300 mg/kg			Adopted 2005
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	300 mg/kg			Adopted 2005
05.3	Chewing gum	1020 mg/kg		6	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500 mg/kg			Adopted 2005
06.3	Breakfast cereals, including rolled oats	200 mg/kg			Adopted 2005
06.4.2	Dried pastas and noodles and like products	100 mg/kg		3	
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)	150 mg/kg			Adopted 2005
06.6	Batters (e.g., for breading or batters for fish or poultry)	500 mg/kg			Adopted 2005
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			Adopted 2005
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	500 mg/kg	Note 16		Adopted 2005
08.1.2	Fresh meat, poultry, and game, comminuted	100 mg/kg	Note 117		Adopted 2005
08.2	Processed meat, poultry, and game products in whole pieces or cuts	500 mg/kg	Note 16		Adopted 2005
08.3.1.1	Cured (including salted) non-heat treated processed comminuted meat, poultry, and game products	200 mg/kg	Note 118		Adopted 2005
08.3.1.2	Cured (including salted) and dried non-heat treated processed comminuted meat, poultry, and game products	100 mg/kg			Adopted 2005
08.3.1.3	Fermented non-heat treated processed comminuted meat, poultry, and game products	100 mg/kg			Adopted 2005
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	100 mg/kg			Adopted 2005
08.3.3	Frozen processed comminuted meat, poultry, and game products	500 mg/kg	Note 16		Adopted 2005
08.4	Edible casings (e.g., sausage casings)	500 mg/kg	Note 16		Adopted 2005
09.1.1	Fresh fish	300 mg/kg	Note 50		Adopted 2005
09.1.2	Fresh mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16		Adopted 2005
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		Adopted 2005
09.2.4.1	Cooked fish and fish products	500 mg/kg			Adopted 2005
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	250 mg/kg			Adopted 2005
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	150 mg/kg		3	

CARMINES

Function: 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	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	Adopted	2005
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	500 mg/kg	Note 16	Adopted	2005
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	500 mg/kg	Note 16	Adopted	2005
09.3.3	Salmon substitutes, caviar, and other fish roe products	500 mg/kg		Adopted	2005
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		Adopted	2005
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	Adopted	2005
10.1	Fresh eggs	GMP	Note 4	Adopted	2005
10.4	Egg-based desserts (e.g., custard)	150 mg/kg		Adopted	2005
12.2.2	Seasonings and condiments	500 mg/kg		Adopted	2005
12.4	Mustards	300 mg/kg		Adopted	2005
12.5	Soups and broths	50 mg/kg		Adopted	2005
12.6	Sauces and like products	500 mg/kg		Adopted	2005
12.9.5	Other protein products	100 mg/kg		Adopted	2005
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	50 mg/kg		Adopted	2005
13.4	Dietetic formulae for slimming purposes and weight reduction	50 mg/kg		Adopted	2005
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		Adopted	2005
13.6	Food supplements	300 mg/kg		Adopted	2005
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		Adopted	2005
14.2.2	Cider and perry	200 mg/kg		Adopted	2005
14.2.4	Wines (other than grape)	200 mg/kg		Adopted	2005
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	200 mg/kg		Adopted	2005
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	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	200 mg/kg		Adopted	2005
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	100 mg/kg		Adopted	2005

CARNAUBA WAX

Carnauba Wax

INS: 903

Function: Anticaking Agent, Adjuvant, Bulking Agent, Carrier Solvent, Glazing Agent, Release Agent

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

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	2004
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
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
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	4000 mg/kg		Adopted	2001
07.0	Bakery wares	GMP	Note 3	Adopted	2001
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: Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1.1	Milk (plain)	GMP		7	
01.1.1.2	Buttermilk (plain)	5000 mg/kg		7	
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	GMP		4	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	5000 mg/kg		7	
01.2.2	Renneted milk (plain)	GMP		7	
01.4.1	Pasteurized cream (plain)	5000 mg/kg		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000 mg/kg		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	2000 mg/kg	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP		7	

CAROB BEAN GUM

Function: Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
04.1.1.3	Peeled or cut fresh fruit	GMP		7	
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		7	
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		7	
06.1	Whole, broken, or flaked grain, including rice	GMP		7	
06.4.1	Fresh pastas and noodles and like products	GMP		4	
06.4.2	Dried pastas and noodles and like products	GMP		7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
10.2.1	Liquid egg products	GMP		7	
10.2.2	Frozen egg products	GMP		7	
11.1.2	Powdered sugar, powdered dextrose	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	5000 mg/kg		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
13.1.1	Infant formulae	2000 mg/kg		7	
13.1.2	Follow-up formulae	1000 mg/kg		7	
13.1.3	Formulae for special medical purposes for infants	10000 mg/kg		4	
13.2	Complementary foods for infants and young children	20000 mg/kg		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	
14.2.3	Grape wines	GMP		7	

CAROTENES, VEGETABLE

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

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)	1000 mg/kg		Adopted	2005
01.3.2	Beverage whiteners	1000 mg/kg		Adopted	2005
01.4	Cream (plain) and the like	1000 mg/kg		3	
01.5.2	Milk and cream powder analogues	1000 mg/kg		Adopted	2005
01.6.1	Unripened cheese	600 mg/kg		Adopted	2005
01.6.2.1	Ripened cheese, includes rind	600 mg/kg		Adopted	2005
01.6.2.2	Rind of ripened cheese	1000 mg/kg		Adopted	2005
01.6.2.3	Cheese powder (for reconstitution; e.g., for cheese sauces)	1000 mg/kg		Adopted	2005
01.6.3	Whey cheese	1000 mg/kg	Note 3	3	
01.6.4	Processed cheese	1000 mg/kg		Adopted	2005

CAROTENES, VEGETABLE

Function:	Colour				
Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.6.5	Cheese analogues	1000 mg/kg	Note 3	Adopted	2005
01.6.6	Whey protein cheese	1000 mg/kg		Adopted	2005
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	1000 mg/kg		Adopted	2005
02.1	Fats and oils essentially free from water	1000 mg/kg		Adopted	2005
02.2.1.1	Butter and concentrated butter	600 mg/kg		Adopted	2005
02.2.1.2	Margarine and similar products	26 mg/kg		Adopted	2005
02.2.1.2	Margarine and similar products	1000 mg/kg		3	
02.2.2	Emulsions containing less than 80% fat	1000 mg/kg		Adopted	2005
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	1000 mg/kg		Adopted	2005
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	1000 mg/kg		Adopted	2005
03.0	Edible ices, including sherbet and sorbet	1000 mg/kg		Adopted	2005
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	6	
04.1.2.3	Fruit in vinegar, oil, or brine	1000 mg/kg		Adopted	2005
04.1.2.4	Canned or bottled (pasteurized) fruit	1000 mg/kg		Adopted	2005
04.1.2.5	Jams, jellies, marmelades	1000 mg/kg		Adopted	2005
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/kg		Adopted	2005
04.1.2.7	Candied fruit	1000 mg/kg		Adopted	2005
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	4 mg/kg		6	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	1000 mg/kg		Adopted	2005
04.1.2.10	Fermented fruit products	200 mg/kg		Adopted	2005
04.1.2.11	Fruit fillings for pastries	4 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	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	200 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	1320 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	200 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)	1000 mg/kg		Adopted	2005
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		Adopted	2005
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		Adopted	2005
05.1.3	Cocoa-based spreads, including fillings	1000 mg/kg		3	

CAROTENES, VEGETABLE

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
05.1.4	Cocoa and chocolate products	500 mg/kg		6	
05.1.4	Cocoa and chocolate products	1000 mg/kg		3	
05.1.5	Imitation chocolate, chocolate substitute products	500 mg/kg		6	
05.1.5	Imitation chocolate, chocolate substitute products	1000 mg/kg		3	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	500 mg/kg			Adopted 2005
05.3	Chewing gum	500 mg/kg			Adopted 2005
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	20000 mg/kg			Adopted 2005
06.3	Breakfast cereals, including rolled oats	400 mg/kg			Adopted 2005
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)	1000 mg/kg			Adopted 2005
06.6	Batters (e.g., for breading or batters for fish or poultry)	1000 mg/kg			Adopted 2005
07.1.2	Crackers, excluding sweet crackers	1000 mg/kg			Adopted 2005
07.1.4	Bread-type products, including bread stuffing and bread crumbs	1000 mg/kg			Adopted 2005
07.1.6	Mixes for bread and ordinary bakery wares	GMP		3	
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	1000 mg/kg			Adopted 2005
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	5000 mg/kg	Note 16		Adopted 2005
08.3.1	Non-heat treated processed comminuted meat, poultry, and game products	20 mg/kg	Note 118		Adopted 2005
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	20 mg/kg			Adopted 2005
08.3.3	Frozen processed comminuted meat, poultry, and game products	5000 mg/kg	Note 16		Adopted 2005
08.4	Edible casings (e.g., sausage casings)	5000 mg/kg			Adopted 2005
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	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg	Note 16		Adopted 2005
09.2.4.1	Cooked fish and fish products	1000 mg/kg		3	
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	1000 mg/kg			Adopted 2005
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg	Note 16		Adopted 2005
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg			Adopted 2005
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	1000 mg/kg	Note 16		Adopted 2005
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	1000 mg/kg	Note 16		Adopted 2005
09.3.3	Salmon substitutes, caviar, and other fish roe products	1000 mg/kg			Adopted 2005

CAROTENES, VEGETABLE

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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	Adopted	2005
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg		Adopted	2005
10.1	Fresh eggs	1000 mg/kg	Note 4	Adopted	2005
10.2	Egg products	1000 mg/kg		Adopted	2005
10.4	Egg-based desserts (e.g., custard)	150 mg/kg		Adopted	2005
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	50 mg/kg		Adopted	2005
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	500 mg/kg		3	
12.4	Mustards	1000 mg/kg		Adopted	2005
12.5	Soups and broths	1000 mg/kg		Adopted	2005
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	2000 mg/kg		Adopted	2005
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	2000 mg/kg		Adopted	2005
12.6.3	Mixes for sauces and gravies	2000 mg/kg		Adopted	2005
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		Adopted	2005
12.9.5	Other protein products	1000 mg/kg		Adopted	2005
12.10.3	Fermented soybean paste (e.g., miso)	GMP		6	
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)	600 mg/kg		Adopted	2005
13.4	Dietetic formulae for slimming purposes and weight reduction	600 mg/kg		Adopted	2005
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		Adopted	2005
13.6	Food supplements	600 mg/kg		Adopted	2005
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	2000 mg/kg		3	
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		Adopted	2005
14.2.1	Beer and malt beverages	600 mg/kg		Adopted	2005
14.2.2	Cider and perry	600 mg/kg		Adopted	2005
14.2.4	Wines (other than grape)	600 mg/kg		Adopted	2005
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	600 mg/kg		Adopted	2005
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	600 mg/kg		Adopted	2005
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)	20000 mg/kg		3	

CAROTENES, VEGETABLE

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	1000 mg/kg		3	

CAROTENOIDS

Beta-Carotene (Synthetic)	INS: 160ai	Beta-Carotene (Blakeslea trispora)	INS: 160aii
Beta-Apo-8'-Carotenal	INS: 160e	Beta-Apo-8'-Carotenoic Acid, Methyl or Ethyl Ester	INS: 160f

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	
01.3.2	Beverage whiteners	1000 mg/kg		3	
01.4	Cream (plain) and the like	1000 mg/kg		3	
01.5.2	Milk and cream powder analogues	1000 mg/kg		3	
01.6.1	Unripened cheese	35 mg/kg		6	
01.6.2.1	Ripened cheese, includes rind	600 mg/kg		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)	1000 mg/kg		3	
01.6.3	Whey cheese	1000 mg/kg	Note 3	3	
01.6.4	Processed cheese	200 mg/kg		6	
01.6.5	Cheese analogues	1000 mg/kg		3	
01.6.6	Whey protein cheese	1000 mg/kg		3	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	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 products	1000 mg/kg		6	
02.2.1.3	Blends of butter and margarine	GMP		6	
02.2.2	Emulsions containing less than 80% fat	1000 mg/kg		6	
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	1000 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	200 mg/kg		6	
04.1.1.2	Surface-treated fresh fruit	500 mg/kg	Note 16	6	
04.1.2.3	Fruit in vinegar, oil, or brine	1000 mg/kg		3	
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	

CAROTENOIDS

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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		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	1000 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)	1000 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	1000 mg/kg		3	
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	300 mg/kg		6	
05.1.2	Cocoa mixes (syrops)	300 mg/kg		6	
05.1.3	Cocoa-based spreads, including fillings	300 mg/kg		6	
05.1.4	Cocoa and chocolate products	500 mg/kg		6	
05.1.5	Imitation chocolate, chocolate substitute products	500 mg/kg		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	500 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	
06.4.3	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	1000 mg/kg		3	
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	1000 mg/kg	Note 116	3	
07.1.5	Steamed breads and buns	1000 mg/kg		3	
07.1.6	Mixes for bread and ordinary bakery wares	GMP		6	
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	

CAROTENOIDS

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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/kg		6	
08.3.1.3	Fermented non-heat treated processed comminuted meat, poultry, and game products	20 mg/kg		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		6	
09.1.2	Fresh mollusks, crustaceans, and echinoderms	500 mg/kg	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	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	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg		3	
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	1000 mg/kg	Note 4	3	
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	

CAROTENOIDS

Function: Colour

Food Cat. No.	Food Category	Max Level	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	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	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	
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)	400 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	

CARRAGEENAN

Carrageenan

INS: 407

Function: Emulsifier, Filler, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1.1	Milk (plain)	10000 mg/kg		7	
01.1.1.2	Buttermilk (plain)	6000 mg/kg		7	
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	5000 mg/kg		7	
01.4.1	Pasteurized cream (plain)	500 mg/kg		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000 mg/kg		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP		7	
04.1.1.3	Peeled or cut fresh fruit	GMP		7	
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		7	

CARRAGEENAN

Function: Emulsifier, Filler, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	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		7	
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		7	
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		4	
06.4.1	Fresh pastas and noodles and like products	GMP		4	
06.4.2	Dried pastas and noodles and like products	8330 mg/kg	Note 37	7	
08.1	Fresh meat, poultry, and game	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	5000 mg/kg	Note 61	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Notes 41 & 61	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
10.2.1	Liquid egg products	GMP		7	
10.2.2	Frozen egg products	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	5000 mg/kg		7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
13.1.1	Infant formulae	3000 mg/kg		7	
13.1.2	Follow-up formulae	10000 mg/kg		4	
13.1.3	Formulae for special medical purposes for infants	300 mg/kg		4	
13.2	Complementary foods for infants and young children	GMP		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	

CASTOR OIL

Castor Oil

INS: 1503

Function: 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		7	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	500 mg/kg		7	
05.3	Chewing gum	2100 mg/kg		7	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		7	

CASTOR OIL

Function: Anticaking Agent, Carrier Solvent, Glazing Agent, Release Agent

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
13.6	Food supplements	GMP		7	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	500 mg/kg		7	

CHLORINE

Chlorine

INS: 925

Function: Flour Treatment Agent

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
06.2.1	Flours	2500 mg/kg	Note 87	Adopted	2001

CHLORINE DIOXIDE

Chlorine Dioxide

INS: 926

Function: Flour 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 Level	Comments	Step	Year
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	7	
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	7	
06.4.2	Dried pastas and noodles and like products	GMP		7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Notes 4 & 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	1000 mg/kg	Note 94	7	
09.1.1	Fresh fish	GMP	Note 50	7	
09.1.2	Fresh mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 95	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	

CHLOROPHYLLS

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.4.1	Cooked fish and fish products	GMP		7	
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	GMP		7	
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 22	7	
10.1	Fresh eggs	GMP	Note 4	7	
13.1.3	Formulae for special medical purposes for infants	20 mg/kg	Note 84	4	
13.6	Food supplements	25000 mg/kg		4	
14.2.3.2	Sparkling and semi-sparkling grape wines	GMP		7	
14.2.3.3	Fortified grape wine, grape liquor wine, and sweet grape wine	GMP		7	

CHLOROPHYLLS, COPPER COMPLEXES

Chlorophylls, Copper Complex

INS: 141i

Chlorophyllin Copper Complex, Sodium and Potassium Salts

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)	50 mg/kg		3	
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	75 mg/kg		3	
01.6.2.3	Cheese powder (for reconstitution; e.g., for cheese sauces)	50 mg/kg		3	
01.6.3	Whey cheese	50 mg/kg		3	
01.6.4	Processed cheese	50 mg/kg		3	
01.6.5	Cheese analogues	50 mg/kg		3	
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	Adopted 2005	

CHLOROPHYLLS, COPPER COMPLEXES

Function:	Colour				
Food Cat. No.	Food Category	Max Level	Comments	Step	Year
04.1.2.4	Canned or bottled (pasteurized) fruit	100 mg/kg	Note 62	Adopted	2005
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		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	Adopted	2005
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	Adopted	2005
04.1.2.11	Fruit fillings for pastries	100 mg/kg	Note 62	Adopted	2005
04.1.2.12	Cooked fruit	100 mg/kg	Note 62	Adopted	2005
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	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	Adopted	2005
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	Adopted	2005
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	Adopted	2005
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	Adopted	2005
05.1.2	Cocoa mixes (syrups)	6.4 mg/kg	Note 62	3	
05.1.3	Cocoa-based spreads, including fillings	6.4 mg/kg	Note 62	3	
05.1.4	Cocoa and chocolate products	700 mg/kg		6	
05.1.5	Imitation chocolate, chocolate substitute products	700 mg/kg		6	
05.2.1	Hard candy	700 mg/kg		6	
05.2.2	Soft candy	100 mg/kg		6	
05.2.3	Nougats and marzipans	100 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	100 mg/kg		3	

CHLOROPHYLLS, COPPER COMPLEXES

Function:	Colour				
Food Cat. No.	Food Category	Max Level	Comments	Step	Year
06.3	Breakfast cereals, including rolled oats	100 mg/kg		3	
06.4.2	Dried pastas and noodles and like products	GMP		6	
06.4.3	Pre-cooked pastas and noodles and like products	GMP		6	
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	
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	
07.2.2	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	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 95	6	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	40 mg/kg		3	
09.2.4.1	Cooked fish and fish products	30 mg/kg	Note 62	6	
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	40 mg/kg	Note 62	6	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	40 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		3	
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	40 mg/kg		3	
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	75 mg/kg		3	
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg		6	
10.4	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	Adopted 2005	
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	100 mg/kg		3	
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	

CHLOROPHYLLS, COPPER COMPLEXES

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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	
14.2.4	Wines (other than grape)	GMP		6	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	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)	100 mg/kg		3	

CITRIC ACID

Citric Acid

INS: 330

Function: Acidity Regulator, Antioxidant, Sequestrant

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.2.1	Fermented milks (plain)	1500 mg/kg	Note 63	7	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		7	
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	
02.1	Fats and oils essentially free from water	100 mg/kg	Note 15	7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.2.1	Fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP		7	
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		7	
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		4	
06.4.1	Fresh pastas and noodles and like products	GMP		4	
06.4.2	Dried pastas and noodles and like products	GMP		4	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	2000 mg/kg		7	
08.1.2	Fresh meat, poultry, and game, comminuted	100 mg/kg	Note 15	7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 61	4	
10.2.1	Liquid egg products	GMP		7	

CITRIC ACID

Function: Acidity Regulator, Antioxidant, Sequestrant

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
10.2.2	Frozen egg products	GMP		7	
12.1	Salt and salt substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
13.1.1	Infant formulae	GMP		7	
13.1.2	Follow-up formulae	GMP		7	
13.1.3	Formulae for special medical purposes for infants	GMP		4	
13.2	Complementary foods for infants and young children	25000 mg/kg		7	
14.1.2.1	Fruit juice	3000 mg/kg	Note 122	Adopted 2005	
14.1.2.2	Vegetable juice	3000 mg/kg		4	
14.1.2.3	Concentrates for fruit juice	3000 mg/kg	Notes 122 & 127	Adopted 2005	
14.1.2.4	Concentrates for vegetable juice	3000 mg/kg		4	
14.1.3.1	Fruit nectar	5000 mg/kg		Adopted 2005	
14.1.3.2	Vegetable nectar	5000 mg/kg		4	
14.1.3.3	Concentrates for fruit nectar	5000 mg/kg	Note 127	Adopted 2005	
14.1.3.4	Concentrates for vegetable nectar	5000 mg/kg		4	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		4	
14.2.3	Grape wines	4000 mg/kg		4	

CITRIC AND FATTY ACID ESTERS OF GLYCEROL

Citric and Fatty Acid Esters of Glycerol INS: 472c

Function: Antioxidant, Emulsifier, Sequestrant, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1.2	Buttermilk (plain)	GMP		7	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		7	
01.2.2	Renneted milk (plain)	GMP		7	
01.4.1	Pasteurized cream (plain)	5000 mg/kg		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000 mg/kg		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	10000 mg/kg	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	7	
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	7	
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		4	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	

CITRIC AND FATTY ACID ESTERS OF GLYCEROL

Function: Antioxidant, Emulsifier, Sequestrant, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
13.1.1	Infant formulae	9000 mg/kg		4	
13.1.2	Follow-up formulae	7500 mg/kg	Note 2	4	
13.1.3	Formulae for special medical purposes for infants	9000 mg/kg		4	
13.2	Complementary foods for infants and young children	5000 mg/kg		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	

CURCUMIN

Curcumin

INS: 100i

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		7	
01.6.1	Unripened cheese	500 mg/kg	Note 3	4	
01.6.2	Ripened cheese	500 mg/kg		4	
01.6.3	Whey cheese	500 mg/kg	Note 3	4	
01.6.4	Processed cheese	200 mg/kg		7	
01.6.5	Cheese analogues	500 mg/kg	Note 3	4	
01.6.6	Whey protein cheese	500 mg/kg		4	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	150 mg/kg		7	
02.1	Fats and oils essentially free from water	5 mg/kg		7	
02.2.1.1	Butter and concentrated butter	500 mg/kg		7	
02.2.1.2	Margarine and similar products	10 mg/kg		7	
02.2.1.3	Blends of butter and margarine	GMP		7	
02.2.2	Emulsions containing less than 80% fat	5 mg/kg		7	
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	500 mg/kg		7	

CURCUMIN

Function: Colour

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	150 mg/kg		7	
03.0	Edible ices, including sherbet and sorbet	150 mg/kg		7	
04.1.1.2	Surface-treated fresh fruit	500 mg/kg	Note 16	7	
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg		7	
04.1.2.5	Jams, jellies, marmelades	500 mg/kg		7	
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/kg		7	
04.1.2.7	Candied fruit	200 mg/kg		7	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	500 mg/kg		7	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	150 mg/kg		7	
04.1.2.11	Fruit fillings for pastries	150 mg/kg		7	
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	7	
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		4	
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		7	
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		7	
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		4	
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		7	
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		4	
05.1	Cocoa products and chocolate products including imitations and chocolate substitutes	300 mg/kg		7	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	300 mg/kg		7	
05.3	Chewing gum	700 mg/kg		7	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500 mg/kg		7	
06.3	Breakfast cereals, including rolled oats	200 mg/kg		7	
06.4.2	Dried pastas and noodles and like products	500 mg/kg		7	
06.4.3	Pre-cooked pastas and noodles and like products	500 mg/kg		7	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	150 mg/kg		7	
06.6	Batters (e.g., for breading or batters for fish or poultry)	20 mg/kg		7	
07.1.1	Breads and rolls	500 mg/kg		4	
07.1.2	Crackers, excluding sweet crackers	500 mg/kg		4	

CURCUMIN

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	500 mg/kg		4	
07.1.4	Bread-type products, including bread stuffing and bread crumbs	20 mg/kg	Note 116	7	
07.1.5	Steamed breads and buns	500 mg/kg		4	
07.1.6	Mixes for bread and ordinary bakery wares	200 mg/kg		4	
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	200 mg/kg		7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	500 mg/kg	Note 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	20 mg/kg	Note 117	7	
08.2	Processed meat, poultry, and game products in whole pieces or cuts	500 mg/kg	Note 16	7	
08.3.1	Non-heat treated processed comminuted meat, poultry, and game products	20 mg/kg	Note 118	7	
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	20 mg/kg		7	
08.3.3	Frozen processed comminuted meat, poultry, and game products	500 mg/kg	Note 16	7	
08.4	Edible casings (e.g., sausage casings)	500 mg/kg	Note 16	7	
09.1.1	Fresh fish	300 mg/kg	Note 50	7	
09.1.2	Fresh mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	7	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	50 mg/kg		4	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 95	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	7	
09.2.4.1	Cooked fish and fish products	500 mg/kg		7	
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	250 mg/kg		7	
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 22	7	
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	50 mg/kg		7	
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	500 mg/kg	Note 16	7	
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	500 mg/kg	Note 16	7	
09.3.3	Salmon substitutes, caviar, and other fish roe products	500 mg/kg		7	
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		7	
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg		7	
10.1	Fresh eggs	500 mg/kg	Note 4	4	
10.4	Egg-based desserts (e.g., custard)	150 mg/kg		7	
12.2.2	Seasonings and condiments	500 mg/kg		7	
12.4	Mustards	300 mg/kg		7	
12.5	Soups and broths	300 mg/kg		7	

CURCUMIN

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
12.6	Sauces and like products	500 mg/kg		7	
12.9.5	Other protein products	100 mg/kg		7	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	50 mg/kg		7	
13.4	Dietetic formulae for slimming purposes and weight reduction	50 mg/kg		7	
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		7	
13.6	Food supplements	300 mg/kg		7	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	100 mg/kg		7	
14.2.1	Beer and malt beverages	200 mg/kg		4	
14.2.2	Cider and perry	200 mg/kg		7	
14.2.3.1	Still grape wine	200 mg/kg		4	
14.2.3.2	Sparkling and semi-sparkling grape wines	200 mg/kg		4	
14.2.3.3	Fortified grape wine, grape liquor wine, and sweet grape wine	200 mg/kg		7	
14.2.4	Wines (other than grape)	200 mg/kg		7	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	200 mg/kg		7	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	200 mg/kg		7	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	200 mg/kg		7	
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	100 mg/kg		7	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	500 mg/kg		7	

CURDLAN

Curdlan

INS: 424

Function: Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
06.4.1	Fresh pastas and noodles and like products	GMP		4	

CYCLAMATES

Cyclamic Acid (and Sodium, Potassium, Calcium Salts) INS: 952

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)	400 mg/kg	Note 17	6	
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	GMP	Note 17	6	

CYCLAMATES

Function: Flavour Enhancer, Sweetener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	250 mg/kg	Note 17	6	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	250 mg/kg	Note 17	6	
03.0	Edible ices, including sherbet and sorbet	250 mg/kg	Note 17	6	
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, cookies 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	16000 mg/kg	Note 17	3	
13.6	Food supplements	1250 mg/kg	Note 17	6	

CYCLAMATES

Function: Flavour Enhancer, Sweetener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
14.1.3.1	Fruit nectar	400 mg/kg	Notes 17 & 122	Adopted	2005
14.1.3.2	Vegetable nectar	400 mg/kg	Note 17	3	
14.1.3.3	Concentrates for fruit nectar	400 mg/kg	Notes 17, 122 & 127	Adopted	2005
14.1.3.4	Concentrates for vegetable nectar	400 mg/kg	Notes 17 & 127	3	
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: Stabilizer, 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: 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		4	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
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		4	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	20000 mg/kg	Notes 3 & 53	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 41	7	
13.1.1	Infant formulae	GMP		4	
13.1.2	Follow-up formulae	GMP		4	

DEXTRINS, WHITE AND YELLOW, ROASTED STARCH

Function: Bulking Agent, Emulsifier, Stabilizer, 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	GMP	Note 90	7	

DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL

Diacetyltartaric and Fatty Acid Esters of Glycerol INS: 472e

Function: Emulsifier, Sequestrant, Stabilizer

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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)	5000 mg/kg		Adopted	2005
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	5000 mg/kg		Adopted	2005
01.2.2	Renneted milk (plain)	5000 mg/kg		Adopted	2005
01.3.2	Beverage whiteners	5000 mg/kg		Adopted	2005
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	10000 mg/kg		Adopted	2005
01.6.1	Unripened cheese	10000 mg/kg		3	
01.6.2.1	Ripened cheese, includes rind	10000 mg/kg		Adopted	2005
01.6.4	Processed cheese	10000 mg/kg		Adopted	2005
01.6.5	Cheese analogues	10000 mg/kg		Adopted	2005
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	10000 mg/kg		Adopted	2005
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	
02.2.1.2	Margarine and similar products	10000 mg/kg		Adopted	2005
02.2.1.3	Blends of butter and margarine	10000 mg/kg		Adopted	2005
02.2.2	Emulsions containing less than 80% fat	10000 mg/kg		Adopted	2005
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	10000 mg/kg		Adopted	2005
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	5000 mg/kg		Adopted	2005
03.0	Edible ices, including sherbet and sorbet	1000 mg/kg		6	
03.0	Edible ices, including sherbet and sorbet	10000 mg/kg		3	
04.1.1.2	Surface-treated fresh fruit	10000 mg/kg	Note 16	3	
04.1.2.2	Dried fruit	10000 mg/kg		Adopted	2005
04.1.2.3	Fruit in vinegar, oil, or brine	1000 mg/kg		Adopted	2005
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	5000 mg/kg		Adopted	2005
04.1.2.7	Candied fruit	1000 mg/kg		Adopted	2005
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	2500 mg/kg		Adopted	2005
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	2500 mg/kg		Adopted	2005

DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL

Function: Emulsifier, Sequestrant, Stabilizer

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
04.1.2.10	Fermented fruit products	2500 mg/kg		Adopted	2005
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	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	10000 mg/kg		Adopted	2005
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		Adopted	2005
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		Adopted	2005
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		Adopted	2005
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		Adopted	2005
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	10000 mg/kg		Adopted	2005
05.3	Chewing gum	50000 mg/kg		Adopted	2005
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	10000 mg/kg		Adopted	2005
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		Adopted	2005
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	5000 mg/kg		Adopted	2005
06.6	Batters (e.g., for breading or batters for fish or poultry)	5000 mg/kg		Adopted	2005
07.0	Bakery wares	10000 mg/kg		6	
07.0	Bakery wares	20000 mg/kg		3	
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	10000 mg/kg		3	
08.2.1	Non-heat treated processed meat, poultry, and game products in whole pieces or cuts	10000 mg/kg		3	
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	10000 mg/kg	Note 16	3	
08.3.1	Non-heat treated processed comminuted meat, poultry, and game products	10000 mg/kg		3	
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	10000 mg/kg	Note 16	3	
08.4	Edible casings (e.g., sausage casings)	10000 mg/kg		3	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	10000 mg/kg	Note 16	3	

DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL

Function: Emulsifier, Sequestrant, 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	10000 mg/kg		3	
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	10000 mg/kg	Note 16	3	
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	10000 mg/kg		3	
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	5000 mg/kg		3	
10.2.3	Dried and/or heat coagulated egg products	5000 mg/kg			Adopted 2005
10.4	Egg-based desserts (e.g., custard)	5000 mg/kg			Adopted 2005
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	1000 mg/kg		3	
12.1.2	Salt Substitutes	GMP		6	
12.2.1	Herbs and spices	GMP		6	
12.3	Vinegars	1000 mg/kg		3	
12.4	Mustards	10000 mg/kg			Adopted 2005
12.5	Soups and broths	5000 mg/kg			Adopted 2005
12.6	Sauces and like products	10000 mg/kg			Adopted 2005
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			Adopted 2005
12.9.5	Other protein products	10000 mg/kg			Adopted 2005
13.1.1	Infant formulae	5000 mg/kg		3	
13.1.2	Follow-up formulae	5000 mg/kg		3	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	5000 mg/kg			Adopted 2005
13.4	Dietetic formulae for slimming purposes and weight reduction	5000 mg/kg			Adopted 2005
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			Adopted 2005
13.6	Food supplements	5000 mg/kg			Adopted 2005
14.1.2.2	Vegetable juice	5000 mg/kg		3	
14.1.2.4	Concentrates for vegetable juice	5000 mg/kg		3	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	5000 mg/kg			Adopted 2005
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	5000 mg/kg		3	
14.2.2	Cider and perry	5000 mg/kg			Adopted 2005
14.2.4	Wines (other than grape)	5000 mg/kg			Adopted 2005
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	5000 mg/kg			Adopted 2005
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	10000 mg/kg			Adopted 2005
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	20000 mg/kg			Adopted 2005

DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL

Function: Emulsifier, Sequestrant, Stabilizer

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	10000 mg/kg			Adopted 2005

DIMETHYL DICARBONATE

Dimethyl Dicarbonate

INS: 242

Function: Preservative

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	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

DIOCTYL SODIUM SULFOSUCCINATE

Dioctyl Sodium Sulfosuccinate

INS: 480

Function: Adjuvant, Emulsifier, Humectant, 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)	25 mg/kg	Note 19	7	
01.3.1	Condensed milk (plain)	GMP		7	
01.6.1	Unripened cheese	5000 mg/kg	Note 20	7	
01.6.4	Processed cheese	5000 mg/kg	Note 20	7	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	15 mg/kg		7	
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	4000 mg/kg		7	
08.4	Edible casings (e.g., sausage casings)	200 mg/kg		7	
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	5000 mg/kg	Note 20	7	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	10 mg/kg		7	
14.2	Alcoholic beverages, including alcohol-free and low-alcoholic counterparts	10 mg/kg		7	

DIPHENYL

Diphenyl

INS: 230

Function: Preservative

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

Function: Preservative

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
04.1.1.2	Surface-treated fresh fruit	70 mg/kg	Note 49	7	

DIPOTASSIUM GUANYLATE, 5'-

Dipotassium Guanylate, 5'- INS: 628

Function: Flavour Enhancer

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	

DIPOTASSIUM INOSINATE, 5'-

Dipotassium Inosinate, 5'- INS: 632

Function: Flavour Enhancer

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	

DISODIUM GUANYLATE, 5'-

Disodium Guanylate, 5'- INS: 627

Function: Flavour 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		4	
06.4.2	Dried pastas and noodles and like products	GMP		4	
08.1	Fresh meat, poultry, and game	GMP		7	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		4	

DISODIUM INOSINATE, 5'-

Disodium Inosinate, 5'- INS: 631

DISODIUM INOSINATE, 5'-

Function: Flavour 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		4	
06.4.2	Dried pastas and noodles and like products	GMP		4	
08.1	Fresh meat, poultry, and game	GMP		7	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		4	

DISODIUM RIBONUCLEOTIDES, 5'-

Disodium Ribonucleotides, 5'-

INS: 635

Function: Flavour 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		4	
06.4.2	Dried pastas and noodles and like products	GMP		4	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		4	

DISTARCH PHOSPHATE

Distarch Phosphate

INS: 1412

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		4	
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
06.4.1	Fresh pastas and noodles and like products	200 mg/kg		4	
06.4.2	Dried pastas and noodles and like products	200 mg/kg		4	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 41	7	

DISTARCH PHOSPHATE

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)	10000 mg/kg		7	
13.1.1	Infant formulae	25000 mg/kg		7	
13.1.2	Follow-up formulae	25000 mg/kg		7	
13.1.3	Formulae for special medical purposes for infants	60000 mg/kg		4	
13.2	Complementary foods for infants and young children	60000 mg/kg		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	10000 mg/kg		7	

EDTAs

Calcium Disodium Ethylene Diamine
Tetra Acetate

INS: 385

Disodium Ethylene Diamine Tetra Acetate

INS: 386

Function: 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
04.1.2.11	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

EDTAs

Function: Antioxidant, Preservative, Sequestrant

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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	Adopted	2005
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
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	1000 mg/kg	Notes 21 & 96	Adopted	2005
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
12.7	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
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	25 mg/kg	Note 21	Adopted	2005
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: 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		4	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000 mg/kg		7	
13.1.1	Infant formulae	GMP		4	
13.1.2	Follow-up formulae	GMP		4	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	10000 mg/kg		7	

ERYTHORBIC ACID

ERYTHORBIC ACID

Erythorbic Acid

INS: 315

Isoascorbic Acid

INS: 315

Function: Antioxidant, Colour Retention Agent

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
02.1	Fats and oils essentially free from water	100 mg/kg		7	
02.2.1.1	Butter and concentrated butter	100 mg/kg	Note 52	7	
04.1.1	Fresh fruit	GMP		7	
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		7	
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		7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	500 mg/kg		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	1500 mg/kg		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 15	7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	
14.2.3	Grape wines	250 mg/kg		4	

ERYTHRITOL

Erythritol

INS: 968

Function: 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)	40000 mg/kg		4	
01.4.1	Pasteurized cream (plain)	600000 mg/kg		4	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	600000 mg/kg		4	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	200000 mg/kg		4	
12.1.2	Salt Substitutes	200000 mg/kg		4	
12.2.1	Herbs and spices	200000 mg/kg	Note 51	4	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	40000 mg/kg		4	

ERYTHROSINE

Erythrosine

INS: 127

Function: Colour

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

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)	300 mg/kg		6	
01.6.2.2	Rind of ripened cheese	100 mg/kg		6	
01.6.4.2	Flavoured processed cheese, including containing fruit, vegetables, meat, etc.	100 mg/kg	Notes 5 & 72	6	
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	300 mg/kg		3	
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	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	300 mg/kg		6	
04.1.2.5	Jams, jellies, marmelades	400 mg/kg		6	
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	300 mg/kg		6	
04.1.2.7	Candied fruit	200 mg/kg	Note 54	Adopted 2005	
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	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	200 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	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	300 mg/kg		6	
07.0	Bakery wares	300 mg/kg		6	
08.1	Fresh meat, poultry, and game	30 mg/kg	Notes 3 & 4	3	
08.2	Processed meat, poultry, and game products in whole pieces or cuts	30 mg/kg		6	
08.3	Processed comminuted meat, poultry, and game products	30 mg/kg		6	
08.4	Edible casings (e.g., sausage casings)	3000 mg/kg		3	
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	

ERYTHROSINE

Function: Colour

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	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	300 mg/kg	Note 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: 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		7	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	200 mg/kg		7	
03.0	Edible ices, including sherbet and sorbet	200 mg/kg		7	
05.1.4	Cocoa and chocolate products	1000 mg/kg		7	
05.1.5	Imitation chocolate, chocolate substitute products	1000 mg/kg		7	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	200 mg/kg		7	
05.3	Chewing gum	1000 mg/kg		7	
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	200 mg/kg		7	

ETHYL MALTOL

Function: Flavour Enhancer, Stabilizer

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	GMP		4	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	200 mg/kg		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	200 mg/kg		7	
14.2.2	Cider and perry	100 mg/kg		7	
14.2.3	Grape wines	100 mg/kg	Note 93	7	
14.2.4	Wines (other than grape)	100 mg/kg		7	

FAST GREEN FCF

Fast Green FCF

INS: 143

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)	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	

FAST GREEN FCF

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	Note 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

FERRIC AMMONIUM CITRATE

Ferric Ammonium 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
14.1.4.3	Concentrates (liquid or solid) for water-based flavoured drinks	10 mg/kg	Note 23	Adopted	1999

FERROCYANIDES

FERROCYANIDES

Sodium Ferrocyanide	INS: 535	Potassium Ferrocyanide	INS: 536
Calcium Ferrocyanide	INS: 538		

Function: Anticaking 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	7	
12.2.2	Seasonings and condiments	20 mg/kg	Note 24	Adopted	1999

FERROUS GLUCONATE

Ferrous Gluconate INS: 579

Function: Acidity Regulator, Colour Retention Agent, Preservative

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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	150 mg/kg	Notes 23 & 48	Adopted	1999

FERROUS LACTATE

Ferrous Lactate INS: 585

Function: Acidity Regulator, Colour Retention Agent

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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	150 mg/kg	Notes 23 & 48	Adopted	1999

FORMATES

Formic Acid INS: 236

Function: Preservative

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
12.6	Sauces and like products	200 mg/kg	Note 25	Adopted	2001
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	100 mg/kg	Note 25	Adopted	2001

FUMARIC ACID

Fumaric Acid INS: 297

Function: Acidity Regulator, Stabilizer

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

Function: Acidity Regulator, Stabilizer

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.2.1	Fermented milks (plain)	GMP		7	
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		4	
06.4.1	Fresh pastas and noodles and like products	600 mg/kg		4	
06.4.2	Dried pastas and noodles and like products	600 mg/kg		4	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
12.1.2	Salt Substitutes	GMP		4	
12.2.1	Herbs and spices	GMP	Note 51	4	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	1000 mg/kg	Note 2	7	
14.2.3	Grape wines	3000 mg/kg	Note 109	7	

GELLAN GUM

Gellan Gum

INS: 418

Function: Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1	Milk and buttermilk (plain)	GMP		7	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		7	
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP		7	
04.1.1.3	Peeled or cut fresh fruit	GMP		7	
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		7	
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		7	
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		7	
06.4.1	Fresh pastas and noodles and like products	GMP		4	
06.4.2	Dried pastas and noodles and like products	GMP		7	
08.1	Fresh meat, poultry, and game	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
10.2.1	Liquid egg products	GMP		7	
10.2.2	Frozen egg products	GMP		7	

GELLAN GUM

Function: Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
11.3	Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3	500 mg/kg		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	500 mg/kg		7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
13.1.1	Infant formulae	GMP		7	
13.1.2	Follow-up formulae	GMP		7	
13.2	Complementary foods for infants and young children	GMP		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	
14.2.3	Grape wines	GMP		7	

GLUCONO DELTA-LACTONE

Glucono Delta-Lactone

INS: 575

Function: Acidity Regulator, Raising Agent

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.2.1	Fermented milks (plain)	GMP		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
06.4.1	Fresh pastas and noodles and like products	GMP		4	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg		4	
13.1.3	Formulae for special medical purposes for infants	5000 mg/kg		4	
13.2	Complementary foods for infants and young children	5000 mg/kg		4	

GLUCOSE OXIDASE (ASPERGILLUS NIGER VAR.)

Glucose Oxidase (Aspergillus niger var.) INS: 1102

Function: Antioxidant, Preservative, Stabilizer

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
06.2.1	Flours	780 mg/kg		4	
14.2.3	Grape wines	GMP		7	

GLUTAMIC ACID, (L+)-

Glutamic acid, (L+)-

INS: 620

Function: Flavour Enhancer

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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GLUTAMIC ACID, (L+)-

Function: Flavour Enhancer

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	

GLYCEROL

Glycerol

INS: 422

Function: Emulsifier, Humectant, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1.2	Buttermilk (plain)	GMP		7	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		7	
01.2.2	Renneted milk (plain)	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	7	
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	7	
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		4	
06.4.1	Fresh pastas and noodles and like products	GMP		4	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
10.2.2	Frozen egg products	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7	
12.1.2	Salt Substitutes	GMP	Note 51	7	
12.2.1	Herbs and spices	GMP	Note 51	7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	

GLYCEROL ESTER OF WOOD ROSIN

GLYCEROL ESTER OF WOOD ROSIN

Glycerol Ester of Wood Rosin

INS: 445

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

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
04.1.1.2	Surface-treated fresh fruit	110 mg/kg		Adopted	2005
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	110 mg/kg		Adopted	2005
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	150 mg/kg		Adopted	1999

GRAPE SKIN EXTRACT

Grape Skin Extract

INS: 163ii

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)	1500 mg/kg		3	
01.3.2	Beverage whiteners	1500 mg/kg		3	
01.4	Cream (plain) and the like	1500 mg/kg		3	
01.5.2	Milk and cream powder analogues	1500 mg/kg		3	
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	1000 mg/kg		3	
01.6.3	Whey cheese	1000 mg/kg		3	
01.6.4.2	Flavoured processed cheese, including containing fruit, vegetables, meat, etc.	1000 mg/kg		3	
01.6.5	Cheese analogues	1000 mg/kg		3	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	100 mg/kg		6	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	1500 mg/kg		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	GMP	Note 16	6	
04.1.2.3	Fruit in vinegar, oil, or brine	1500 mg/kg		3	
04.1.2.4	Canned or bottled (pasteurized) fruit	1500 mg/kg		3	
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	1500 mg/kg		3	
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	1500 mg/kg		3	
04.1.2.10	Fermented fruit products	1500 mg/kg		3	

GRAPE SKIN EXTRACT

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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	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	
04.2.2.5	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	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	
05.1.5	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	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	10000 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)	1500 mg/kg		3	
07.0	Bakery wares	1500 mg/kg		3	
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	1000 mg/kg	Note 94	6	
08.2	Processed meat, poultry, and game products in whole pieces or cuts	5000 mg/kg		3	
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 mg/kg	Note 16	3	
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	5000 mg/kg	Note 16	3	
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)	5000 mg/kg		3	
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	500 mg/kg		3	
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	1000 mg/kg	Note 16	3	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg	Note 22	3	

GRAPE SKIN EXTRACT

Function: Colour

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	3	
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	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	1500 mg/kg	Note 16	3	
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	1500 mg/kg	Note 4	3	
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 mg/kg		3	
12.4	Mustards	500 mg/kg		3	
12.5	Soups and broths	1500 mg/kg		3	
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)	500 mg/kg		3	
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	1500 mg/kg		3	
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)	1500 mg/kg		3	
13.4	Dietetic formulae for slimming purposes and weight reduction	1500 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	1500 mg/kg		3	
13.6	Food supplements	1500 mg/kg		3	
14.1.3.2	Vegetable nectar	1500 mg/kg		3	
14.1.3.4	Concentrates for vegetable nectar	1500 mg/kg		3	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	500 mg/kg		6	
14.2.1	Beer and malt beverages	1500 mg/kg		3	
14.2.2	Cider and perry	1500 mg/kg		3	
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	1500 mg/kg		3	
14.2.4	Wines (other than grape)	1500 mg/kg		3	
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)	1500 mg/kg		3	
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)	10000 mg/kg		3	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	10 mg/kg		6	

GRAPE SKIN EXTRACT

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	1500 mg/kg		3	

GUAIAIC RESIN

Guaiac Resin

INS: 314

Function: Antioxidant

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		4	
02.2.1.2	Margarine and similar products	1000 mg/kg		4	
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
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	

GUAR GUM

Guar Gum

INS: 412

Function: Bulking Agent, Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1	Milk and buttermilk (plain)	6000 mg/kg		7	
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	GMP		4	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	5000 mg/kg		7	
01.2.2	Renneted milk (plain)	GMP		7	
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000 mg/kg		7	
02.1	Fats and oils essentially free from water	20000 mg/kg		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP		7	
04.1.1.3	Peeled or cut fresh fruit	GMP		7	

GUAR GUM

Function: Bulking Agent, Emulsifier, 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	GMP		7	
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		7	
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		7	
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		4	
06.1	Whole, broken, or flaked grain, including rice	GMP		7	
06.4.1	Fresh pastas and noodles and like products	GMP		4	
06.4.2	Dried pastas and noodles and like products	GMP		7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Notes 61 & 73	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	2000 mg/kg		7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
10.2.1	Liquid egg products	GMP		7	
10.2.2	Frozen egg products	GMP		7	
11.1.2	Powdered sugar, powdered dextrose	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000 mg/kg		7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
13.1.1	Infant formulae	1000 mg/kg		7	
13.1.2	Follow-up formulae	1000 mg/kg		7	
13.1.3	Formulae for special medical purposes for infants	10000 mg/kg		4	
13.2	Complementary foods for infants and young children	20000 mg/kg		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	
14.2.3	Grape wines	GMP		7	

GUM ARABIC

Gum Arabic

INS: 414

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

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

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

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1.2	Buttermilk (plain)	GMP		7	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	5000 mg/kg		7	
01.2.2	Renneted milk (plain)	GMP		7	
01.4.1	Pasteurized cream (plain)	5000 mg/kg		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000 mg/kg		7	
02.1	Fats and oils essentially free from water	15000 mg/kg		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	7	
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	7	
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		7	
06.4.1	Fresh pastas and noodles and like products	GMP		4	
06.4.2	Dried pastas and noodles and like products	GMP		7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
10.2.1	Liquid egg products	GMP		7	
10.2.2	Frozen egg products	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
13.1.1	Infant formulae	10000 mg/kg	Note 65	7	
13.1.2	Follow-up formulae	10000 mg/kg	Note 65	7	
13.1.3	Formulae for special medical purposes for infants	20000 mg/kg		4	
13.2	Complementary foods for infants and young children	20000 mg/kg		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	
14.2.3	Grape wines	300 mg/kg		7	

HEXAMETHYLENE TETRAMINE

Hexamethylene Tetramine

INS: 239

HEXAMETHYLENE TETRAMINE

Function: Preservative

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.6.2.1	Ripened cheese, includes rind	25 mg/kg	Note 66	Adopted	2001

HYDROCHLORIC ACID

Hydrochloric Acid

INS: 507

Function: Acidity Regulator

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.2.1	Fermented milks (plain)	GMP		7	
06.2	Flours and starches (including soybean powder)	GMP		7	
13.1.3	Formulae for special medical purposes for infants	GMP		4	
13.2	Complementary foods for infants and young children	GMP		7	

HYDROGENATED POLY-1-DECENE

Hydrogenated Poly-1-decene

INS: 907

Function: Glazing Agent

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
04.1.2.2	Dried fruit	2000 mg/kg		4	
05.2.2	Soft candy	2000 mg/kg		4	

HYDROXYBENZOATES, p-

Ethyl p-Hydroxybenzoate

INS: 214

Propyl p-Hydroxybenzoate

INS: 216

Methyl p-Hydroxybenzoate

INS: 218

Function: Preservative

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.6.2	Ripened cheese	500 mg/kg	Note 27	7	
01.6.4	Processed cheese	300 mg/kg	Note 27	7	
01.6.5	Cheese analogues	500 mg/kg	Note 27	7	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	120 mg/kg	Note 27	7	
02.2.1.2	Margarine and similar products	1000 mg/kg	Note 27	7	
02.2.2	Emulsions containing less than 80% fat	300 mg/kg	Note 27	7	
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	300 mg/kg	Note 27	7	
03.0	Edible ices, including sherbet and sorbet	1000 mg/kg	Note 27	7	
04.1.1.2	Surface-treated fresh fruit	12 mg/kg	Note 27	7	
04.1.1.3	Peeled or cut fresh fruit	12 mg/kg	Note 27	7	
04.1.2.1	Frozen fruit	800 mg/kg	Note 27	7	
04.1.2.2	Dried fruit	800 mg/kg	Note 27	7	

HYDROXYBENZOATES, p-

Function: Preservative

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
04.1.2.3	Fruit in vinegar, oil, or brine	800 mg/kg	Note 27	7	
04.1.2.4	Canned or bottled (pasteurized) fruit	800 mg/kg	Note 27	7	
04.1.2.5	Jams, jellies, marmelades	1000 mg/kg	Note 27	7	
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	1000 mg/kg	Note 27	7	
04.1.2.7	Candied fruit	1000 mg/kg	Note 27	7	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	800 mg/kg	Note 27	7	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	800 mg/kg	Note 27	7	
04.1.2.10	Fermented fruit products	800 mg/kg	Note 27	7	
04.1.2.11	Fruit fillings for pastries	800 mg/kg	Note 27	7	
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	7	
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	7	
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	7	
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	7	
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	7	
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	7	
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	7	
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	700 mg/kg	Note 27	7	
05.1.3	Cocoa-based spreads, including fillings	300 mg/kg	Note 27	7	
05.1.5	Imitation chocolate, chocolate substitute products	300 mg/kg	Note 27	7	
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	7	
05.3	Chewing gum	1500 mg/kg	Note 27	7	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	300 mg/kg	Note 27	7	
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	300 mg/kg	Note 27	7	
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	7	
08.3.1.2	Cured (including salted) and dried non-heat treated processed comminuted meat, poultry, and game products	GMP	Notes 3 & 27	7	
08.4	Edible casings (e.g., sausage casings)	36 mg/kg	Note 27	7	
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg	Note 27	7	

HYDROXYBENZOATES, p-

Function: Preservative

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	100 mg/kg	Note 27	7	
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	1500 mg/kg	Note 27	4	
12.3	Vinegars	100 mg/kg	Note 27	7	
12.4	Mustards	300 mg/kg	Note 27	7	
12.5	Soups and broths	300 mg/kg	Note 27	7	
12.6	Sauces and like products	1000 mg/kg	Note 27	7	
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	7	
12.9.1.3	Other soybean protein products (including non-fermented soy sauce)	250 mg/kg	Note 27	7	
13.6	Food supplements	2000 mg/kg	Note 27	4	
14.1.2.2	Vegetable juice	1000 mg/kg	Note 27	7	
14.1.2.4	Concentrates for vegetable juice	1000 mg/kg	Note 27	7	
14.1.3.2	Vegetable nectar	200 mg/kg	Note 27	7	
14.1.3.4	Concentrates for vegetable nectar	200 mg/kg	Note 27	7	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	1000 mg/kg	Note 27	7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	450 mg/kg	Note 27	7	
14.2.1	Beer and malt beverages	200 mg/kg	Note 27	7	
14.2.2	Cider and perry	200 mg/kg	Note 27	7	
14.2.3	Grape wines	50 mg/kg	Note 27	7	
14.2.4	Wines (other than grape)	200 mg/kg	Note 27	7	
14.2.5	Mead	200 mg/kg	Note 27	7	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	1000 mg/kg	Note 27	7	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	1000 mg/kg	Note 27	4	
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	300 mg/kg	Note 27	7	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	1000 mg/kg	Note 27	7	

HYDROXYPROPYL CELLULOSE

Hydroxypropyl Cellulose

INS: 463

Function: Bulking Agent, Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1.2	Buttermilk (plain)	GMP		7	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		7	
01.2.2	Renneted milk (plain)	GMP		7	
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	

HYDROXYPROPYL CELLULOSE

Function: Bulking Agent, Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	7	
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	7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 41	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	

HYDROXYPROPYL DISTARCH PHOSPHATE

Hydroxypropyl Distarch Phosphate

INS: 1442

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		4	
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 41	7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000 mg/kg		7	
13.1.1	Infant formulae	GMP		4	
13.1.2	Follow-up formulae	GMP		4	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	10000 mg/kg		7	

HYDROXYPROPYL METHYL CELLULOSE

HYDROXYPROPYL METHYL CELLULOSE

Hydroxypropyl Methyl Cellulose

INS: 464

Function: Bulking Agent, Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1.2	Buttermilk (plain)	GMP		7	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		7	
01.2.2	Renneted milk (plain)	GMP		7	
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	7	
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	7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 41	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	

HYDROXYPROPYL STARCH

Hydroxypropyl Starch

INS: 1440

Function: Bulking Agent, Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1.2	Buttermilk (plain)	GMP		7	
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	GMP		4	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		7	
01.2.2	Renneted milk (plain)	GMP		7	
01.4.1	Pasteurized cream (plain)	GMP		7	

HYDROXYPROPYL STARCH

Function: Bulking Agent, Emulsifier, 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		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	7	
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	7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 41	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000 mg/kg		7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
13.1.1	Infant formulae	25000 mg/kg		7	
13.1.2	Follow-up formulae	GMP		4	
13.1.3	Formulae for special medical purposes for infants	60000 GMP		4	
13.2	Complementary foods for infants and young children	60000 mg/kg		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	10000 mg/kg		7	

INDIGOTINE

Indigotine

INS: 132

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)	300 mg/kg		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	200 mg/kg	Note 3	3	
01.6.4	Processed cheese	200 mg/kg		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	

INDIGOTINE

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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	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	
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 (syrops)	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	
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	

INDIGOTINE

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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	300 mg/kg	Note 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	

INDIGOTINE

Function: Colour

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)	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'-

INS: 630

Function: Flavour Enhancer

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	

INVERTASE (SACCHAROMYCES CEREVISIAE)

Invertase (Saccharomyces cerevisiae)

INS: 1103

Function: Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
11.3	Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3	GMP		4	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		4	

IRON OXIDES

Iron Oxide, Black

INS: 172i

Iron Oxide, Red

INS: 172ii

Iron Oxide, Yellow

INS: 172iii

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)	20 mg/kg			Adopted 2005
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	
01.6.2.2	Rind of ripened cheese	100 mg/kg			Adopted 2005
01.6.3	Whey cheese	GMP	Note 3	6	
01.6.4	Processed cheese	50 mg/kg			Adopted 2005

IRON OXIDES

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.6.5	Cheese analogues	GMP		6	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	100 mg/kg		Adopted	2005
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	350 mg/kg		Adopted	2005
03.0	Edible ices, including sherbet and sorbet	300 mg/kg		Adopted	2005
04.1.1.2	Surface-treated fresh fruit	1000 mg/kg		Adopted	2005
04.1.2.4	Canned or bottled (pasteurized) fruit	300 mg/kg		Adopted	2005
04.1.2.5	Jams, jellies, marmelades	200 mg/kg		Adopted	2005
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/kg		Adopted	2005
04.1.2.7	Candied fruit	250 mg/kg		Adopted	2005
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 mg/kg		Adopted	2005
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	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	200 mg/kg		Adopted	2005
05.3	Chewing gum	10000 mg/kg		6	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	100 mg/kg		Adopted	2005
06.2	Flours and starches (including soybean powder)	300 mg/kg		3	
06.3	Breakfast cereals, including rolled oats	75 mg/kg		Adopted	2005
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	75 mg/kg		Adopted	2005
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	100 mg/kg		Adopted	2005
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	Adopted	2005
09.1.1	Fresh fish	GMP	Note 50	6	

IRON OXIDES

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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	Adopted 2005	
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	100 mg/kg		Adopted 2005	
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	Note 4	Adopted 2005	
10.4	Egg-based desserts (e.g., custard)	GMP		6	
12.2.2	Seasonings and condiments	1000 mg/kg		Adopted 2005	
12.4	Mustards	GMP		6	
12.5	Soups and broths	100 mg/kg		Adopted 2005	
12.6	Sauces and like products	75 mg/kg		Adopted 2005	
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		Adopted 2005	
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	

IRON OXIDES

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	500 mg/kg		Adopted	2005
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	400 mg/kg		Adopted	2005

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		7	
01.2.2	Renneted milk (plain)	GMP		7	
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	7	
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	7	
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		4	
06.4.2	Dried pastas and noodles and like products	GMP		7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	100000 mg/kg		4	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.4.1	Cooked fish and fish products	GMP		7	
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	GMP		7	
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
11.3	Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3	GMP		4	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
13.1.1	Infant formulae	100000 mg/kg		4	
13.1.2	Follow-up formulae	100000 mg/kg		4	
13.2	Complementary foods for infants and young children	100000 mg/kg		4	

ISOMALT

Function: Anticaking Agent, Bulking Agent, Emulsifier, Glazing Agent, Sweetener

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	300000 mg/kg		4	

ISOPROPYL CITRATES

Isopropyl Citrates

INS: 384

Function: Antioxidant, 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	200 mg/kg		Adopted	2005
02.1.3	Lard, tallow, fish oil, and other animal fats	200 mg/kg		Adopted	2001
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
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	200 mg/kg		Adopted	2001

KARAYA GUM

Karaya Gum

INS: 416

Function: Bulking Agent, Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1	Milk and buttermilk (plain)	200 mg/kg		7	
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation	200 mg/kg		7	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	5000 mg/kg		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP		7	
04.1.1.3	Peeled or cut fresh fruit	GMP		7	
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		7	
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		7	
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		7	
06.4.1	Fresh pastas and noodles and like products	GMP		4	
06.4.2	Dried pastas and noodles and like products	GMP		7	

KARAYA GUM

Function: Bulking Agent, Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
08.1	Fresh meat, poultry, and game	GMP		7	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
10.2.1	Liquid egg products	GMP		7	
10.2.2	Frozen egg products	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
13.1.1	Infant formulae	GMP		7	
13.1.2	Follow-up formulae	GMP		7	
13.2	Complementary foods for infants and young children	GMP		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	
14.2.3	Grape wines	GMP		7	

KONJAC FLOUR

Konjac Flour

INS: 425

Function: Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1	Milk and buttermilk (plain)	GMP		7	
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	GMP		4	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		7	
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	2000 mg/kg		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP		7	
04.1.1.3	Peeled or cut fresh fruit	GMP		7	
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		7	
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		7	
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		7	
06.4.1	Fresh pastas and noodles and like products	GMP		4	
06.4.2	Dried pastas and noodles and like products	10000 mg/kg		7	
08.1	Fresh meat, poultry, and game	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	

KONJAC FLOUR

Function: Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
10.2.1	Liquid egg products	GMP		7	
10.2.2	Frozen egg products	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
13.1.1	Infant formulae	GMP		7	
13.1.2	Follow-up formulae	GMP		7	
13.2	Complementary foods for infants and young children	GMP		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	
14.2.3	Grape wines	GMP		7	

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

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

INS: 270

Function: Acidity Regulator

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.2.1	Fermented milks (plain)	GMP		7	
01.4.1	Pasteurized cream (plain)	GMP		4	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		4	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.2.1	Fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP		7	
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		7	
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		4	
06.4.1	Fresh pastas and noodles and like products	GMP		4	
06.4.2	Dried pastas and noodles and like products	GMP		4	
08.1.2	Fresh meat, poultry, and game, comminuted	6000 mg/kg		7	
10.2.1	Liquid egg products	GMP		7	
10.2.2	Frozen egg products	GMP		7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
13.1.1	Infant formulae	GMP		7	
13.1.2	Follow-up formulae	GMP		7	
13.1.3	Formulae for special medical purposes for infants	GMP	Note 83	4	
13.2	Complementary foods for infants and young children	15000 mg/kg		7	

LACTIC ACID (L-, D- and DL-)

Function: Acidity Regulator

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
14.2.3	Grape wines	4000 mg/lg		4	

LACTIC AND FATTY ACID ESTERS OF GLYCEROL

Lactic and Fatty Acid Esters of Glycerol INS: 472b

Function: Emulsifier, Sequestrant, Stabilizer

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1.2	Buttermilk (plain)	GMP		7	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		7	
01.2.2	Renneted milk (plain)	GMP		7	
01.4.1	Pasteurized cream (plain)	10000 mg/kg		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	10000 mg/kg		7	
02.1.1	Butter oil, anhydrous milkfat, ghee	GMP		7	
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	80000 mg/kg		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	7	
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	7	
06.1	Whole, broken, or flaked grain, including rice	GMP		7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7	
12.1	Salt and salt substitutes	5000 mg/kg		7	
12.2.1	Herbs and spices	5000 mg/kg	Note 51	7	
13.1.3	Formulae for special medical purposes for infants	5000 mg/kg		4	
13.2	Complementary foods for infants and young children	5000 mg/kg		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	

LACTITOL

LACTITOL

Lactitol

INS: 966

Function: Bulking 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)	30000 mg/kg		4	
01.4.1	Pasteurized cream (plain)	30000 mg/kg		4	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	30000 mg/kg		4	
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		4	
06.4.2	Dried pastas and noodles and like products	GMP		7	
08.1	Fresh meat, poultry, and game	GMP		4	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	20000 mg/kg		4	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		4	
12.1.2	Salt Substitutes	GMP		4	
12.2.1	Herbs and spices	GMP	Note 51	4	
13.1.1	Infant formulae	GMP		7	
13.1.2	Follow-up formulae	GMP		7	
13.2	Complementary foods for infants and young children	GMP		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	30000 mg/kg		4	

LECITHINS

Lecithins

INS: 322

Function: Antioxidant, Emulsifier, Stabilizer

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1.2	Buttermilk (plain)	GMP		7	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		7	
01.2.2	Rennet milk (plain)	GMP		7	
01.4.1	Pasteurized cream (plain)	5000 mg/kg		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000 mg/kg		7	
02.1	Fats and oils essentially free from water	30000 mg/kg		7	
02.2.1.1	Butter and concentrated butter	20000 mg/kg	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	7	
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	7	

LECITHINS

Function: Antioxidant, Emulsifier, Stabilizer

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	GMP		7	
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		4	
06.2	Flours and starches (including soybean powder)	5000 mg/kg		7	
06.4.1	Fresh pastas and noodles and like products	GMP		4	
06.4.2	Dried pastas and noodles and like products	5000 mg/kg		7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 41	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
10.2.1	Liquid egg products	GMP		7	
10.2.2	Frozen egg products	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7	
12.1	Salt and salt substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
13.1.1	Infant formulae	5000 mg/kg		7	
13.1.2	Follow-up formulae	5000 mg/kg		7	
13.1.3	Formulae for special medical purposes for infants	15000 mg/kg		4	
13.2	Complementary foods for infants and young children	15000 mg/kg		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	

LYSOZYME

Lysozyme Hydrochloride

INS: 1105

Lysozyme

INS: 1105

Function: Preservative

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.6.2	Ripened cheese	GMP		Adopted	1999
14.2.2	Cider and perry	500 mg/kg		Adopted	2004
14.2.3	Grape wines	500 mg/kg		Adopted	2004

MAGNESIUM CARBONATE

MAGNESIUM CARBONATE

Magnesium Carbonate

INS: 504i

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

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1.2	Buttermilk (plain)	GMP		7	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		7	
01.2.2	Renneted milk (plain)	GMP		7	
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	7	
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	7	
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	4	
06.2.1	Flours	1500 mg/kg		4	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	5000 mg/kg	Note 36	4	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
11.1.2	Powdered sugar, powdered dextrose	15000 mg/kg	Note 56	7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7	
12.1.1	Salt	20000 mg/kg		7	
12.1.2	Salt Substitutes	5000 mg/kg	Note 36	4	
12.2.1	Herbs and spices	5000 mg/kg	Notes 36 & 51	4	
13.2	Complementary foods for infants and young children	GMP		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	

MAGNESIUM CHLORIDE

Magnesium Chloride

INS: 511

Function: Colour Retention Agent, Firming Agent

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1.2	Buttermilk (plain)	GMP		7	

MAGNESIUM CHLORIDE

Function: Colour Retention Agent, Firming Agent

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		7	
01.2.2	Renneted milk (plain)	GMP		7	
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	7	
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	7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	2260 mg/kg		7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
13.1.1	Infant formulae	GMP		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	

MAGNESIUM GLUTAMATE, DI-L-

Magnesium Glutamate, DI-L-

INS: 625

Function: Flavour Enhancer

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	

MAGNESIUM HYDROGEN CARBONATE

Magnesium Hydrogen Carbonate

INS: 504ii

Function: Acidity Regulator, Anticaking Agent, Firming Agent

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1.2	Buttermilk (plain)	GMP		7	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		7	
01.2.2	Renneted milk (plain)	GMP		7	
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	7	

MAGNESIUM HYDROGEN CARBONATE

Function: Acidity Regulator, Anticaking Agent, Firming 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 16	7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7	
12.1.1	Salt	20000 mg/kg		7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	

MAGNESIUM HYDROXIDE

Magnesium Hydroxide

INS: 528

Function: Acidity Regulator, Colour Retention Agent, Stabilizer

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1.2	Buttermilk (plain)	GMP		7	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		7	
01.2.2	Renneted milk (plain)	GMP		7	
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	7	
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	7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	

MAGNESIUM HYDROXIDE

Function: Acidity Regulator, Colour Retention Agent, Stabilizer

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		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	

MAGNESIUM OXIDE

Magnesium Oxide

INS: 530

Function: Anticaking Agent

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
12.1.1	Salt	20000 mg/kg		7	
13.1.1	Infant formulae	GMP		7	

MAGNESIUM SILICATE (SYNTHETIC)

Magnesium Silicate (Synthetic)

INS: 553i

Function: Anticaking Agent

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
11.1.2	Powdered sugar, powdered dextrose	15000 mg/kg	Note 56	7	
12.1.1	Salt	20000 mg/kg		7	
12.1.2	Salt Substitutes	10000 mg/kg		7	

MALIC ACID (DL-)

Malic Acid (DL-)

INS: 296

Function: Acidity Regulator, Sequestrant

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.2.1	Fermented milks (plain)	GMP		7	
02.1.2	Vegetable oils and fats	100 mg/kg		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	100 mg/kg		7	
04.2.1	Fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP		7	
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		7	

MALIC ACID (DL-)

Function: Acidity Regulator, 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		4	
06.4.2	Dried pastas and noodles and like products	GMP		4	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
12.1.1	Salt	GMP		7	
12.1.2	Salt Substitutes	GMP		4	
12.2.1	Herbs and spices	GMP	Note 51	4	
13.1.3	Formulae for special medical purposes for infants	GMP		4	
13.2	Complementary foods for infants and young children	GMP		7	
14.1.2.1	Fruit juice	GMP	Note 115	Adopted 2005	
14.1.2.2	Vegetable juice	3000 mg/kg		4	
14.1.2.3	Concentrates for fruit juice	GMP	Notes 115 & 127	Adopted 2005	
14.1.2.4	Concentrates for vegetable juice	3000 mg/kg		4	
14.1.3.1	Fruit nectar	GMP		Adopted 2005	
14.1.3.2	Vegetable nectar	3000 mg/kg		4	
14.1.3.3	Concentrates for fruit nectar	GMP	Note 127	Adopted 2005	
14.1.3.4	Concentrates for vegetable nectar	3000 mg/kg		4	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		4	
14.2.3	Grape wines	4000 mg/kg		4	

MALTITOL and MALTITOL SYRUP

Maltitol and Maltitol Syrup

INS: 965

Function: Bulking 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		4	
01.4.1	Pasteurized cream (plain)	300000 mg/kg		4	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	300000 mg/kg		4	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	4	
04.1.1.2	Surface-treated fresh fruit	GMP		4	
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		4	
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		4	
06.4.2	Dried pastas and noodles and like products	GMP		7	
08.1	Fresh meat, poultry, and game	GMP		4	

MALTITOL and MALTITOL SYRUP

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

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
10.2.2	Frozen egg products	GMP		4	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		4	
12.1.2	Salt Substitutes	50000 mg/kg		4	
12.2.1	Herbs and spices	50000 mg/kg	Note 51	4	
13.1.1	Infant formulae	GMP		7	
13.1.2	Follow-up formulae	GMP		7	
13.2	Complementary foods for infants and young children	GMP		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	100000 mg/kg		4	

MALTOL

Maltol

INS: 636

Function: 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		7	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	200 mg/kg		7	
03.0	Edible ices, including sherbet and sorbet	200 mg/kg		7	
05.1.4	Cocoa and chocolate products	200 mg/kg		7	
05.1.5	Imitation chocolate, chocolate substitute products	200 mg/kg		7	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	200 mg/kg		7	
05.3	Chewing gum	200 mg/kg		7	
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	200 mg/kg		7	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	200 mg/kg		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	200 mg/kg		7	
14.2.2	Cider and perry	250 mg/kg		7	
14.2.3	Grape wines	250 mg/kg		7	
14.2.4	Wines (other than grape)	250 mg/kg		7	

MANNITOL

MANNITOL

Mannitol

INS: 421

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

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		4	
01.2.2	Renneted milk (plain)	GMP		4	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	4	
04.1.1.2	Surface-treated fresh fruit	GMP		4	
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		4	
06.4.2	Dried pastas and noodles and like products	GMP		7	
08.1	Fresh meat, poultry, and game	GMP		4	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
10.2.2	Frozen egg products	GMP		4	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		4	
12.1.2	Salt Substitutes	60000 mg/kg		4	
12.2.1	Herbs and spices	60000 mg/kg	Note 51	4	
13.1.1	Infant formulae	GMP		7	
13.1.2	Follow-up formulae	GMP		7	
13.1.3	Formulae for special medical purposes for infants	GMP		4	
13.2	Complementary foods for infants and young children	GMP		7	

METHYL CELLULOSE

Methyl Cellulose

INS: 461

Function: Bulking Agent, Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1.2	Buttermilk (plain)	GMP		7	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		7	
01.2.2	Renneted milk (plain)	GMP		7	
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	

METHYL CELLULOSE

Function: Bulking Agent, Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	7	
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	7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 61	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 41 & 61	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	

METHYL ETHYL CELLULOSE

Methyl Ethyl Cellulose

INS: 465

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

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1.2	Buttermilk (plain)	GMP		7	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		7	
01.2.2	Renneted milk (plain)	GMP		7	
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	7	
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	7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	

METHYL ETHYL CELLULOSE

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

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	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	

MICROCRYSTALLINE CELLULOSE

Microcrystalline Cellulose

INS: 460i

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

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1	Milk and buttermilk (plain)	GMP		7	
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation	GMP		7	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	20000 mg/kg		7	
01.2.2	Renneted milk (plain)	GMP		7	
01.4.1	Pasteurized cream (plain)	5000 mg/kg		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000 mg/kg		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	20000 mg/kg	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	7	
04.1.1.3	Peeled or cut fresh fruit	GMP		7	
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	7	
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		7	
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		7	
06.4.1	Fresh pastas and noodles and like products	GMP		4	
06.4.2	Dried pastas and noodles and like products	GMP		7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	10000 mg/kg		7	

MICROCRYSTALLINE CELLULOSE

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

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
10.2.1	Liquid egg products	GMP		7	
10.2.2	Frozen egg products	GMP		7	
11.1	Refined and raw sugars	GMP		4	
11.2	Brown sugar excluding products of food category 11.1.3	GMP		4	
11.3	Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3	GMP		4	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7	
12.1.1	Salt	GMP		4	
12.1.2	Salt Substitutes	22000 mg/kg		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
13.1.1	Infant formulae	GMP		7	
13.1.2	Follow-up formulae	GMP		7	
13.2	Complementary foods for infants and young children	GMP		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	

MICROCRYSTALLINE WAX

Microcrystalline Wax

INS: 905ci

Function: Antifoaming 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
05.2	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	20000 mg/kg	Note 3	Adopted	2001

MINERAL OIL (HIGH VISCOSITY)

Mineral Oil (High Viscosity)

INS: 905d

Function: Glazing Agent, Release Agent

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
04.1.2.2	Dried fruit	5000 mg/kg		Adopted	2005
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

MINERAL OIL (HIGH VISCOSITY)

Function: Glazing Agent, Release Agent

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)

Mineral Oil (Medium & Low Viscosity, Class I) INS: 905e

Function: Glazing Agent, Release Agent

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
04.1.2.2	Dried fruit	5000 mg/kg		Adopted	2005
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: Antifoaming Agent, Bulking Agent, Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1	Milk and buttermilk (plain)	10000 mg/kg		7	
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	5000 mg/kg		7	
01.4.1	Pasteurized cream (plain)	5000 mg/kg		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000 mg/kg		7	
02.1.1	Butter oil, anhydrous milkfat, ghee	20000 mg/kg		7	
02.1.2	Vegetable oils and fats	20000 mg/kg		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	100000 mg/kg		7	
02.2.1.1	Butter and concentrated butter	20000 mg/kg	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	7	
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	7	
06.1	Whole, broken, or flaked grain, including rice	GMP		7	
06.4.1	Fresh pastas and noodles and like products	GMP		4	
06.4.2	Dried pastas and noodles and like products	30000 mg/kg		7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	

MONO- AND DIGLYCERIDES

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

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	10000 mg/kg		7	
10.2.2	Frozen egg products	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	6000 mg/kg		7	
12.1	Salt and salt substitutes	5000 mg/kg		7	
12.2.1	Herbs and spices	5000 mg/kg	Note 51	7	
13.1.1	Infant formulae	5000 mg/kg		7	
13.1.2	Follow-up formulae	5000 mg/kg		7	
13.1.3	Formulae for special medical purposes for infants	5000 mg/kg		4	
13.2	Complementary foods for infants and young children	15000 mg/kg		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	
14.2.3	Grape wines	18 mg/kg		7	

MONOAMMONIUM GLUTAMATE, L-

Monoammonium Glutamate, L-

INS: 624

Function: Flavour Enhancer

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
08.1	Fresh meat, poultry, and game	GMP		7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	

MONOPOTASSIUM GLUTAMATE, L-

Monopotassium Glutamate, L-

INS: 622

Function: 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	7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	

MONOSODIUM GLUTAMATE, L-

Monosodium Glutamate, L-

INS: 621

Function: Flavour Enhancer

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	GMP		7	

MONOSODIUM GLUTAMATE, L-

Function: Flavour 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		4	
06.4.2	Dried pastas and noodles and like products	GMP		4	
08.1	Fresh meat, poultry, and game	GMP		7	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 41	7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		4	

MONOSTARCH PHOSPHATE

Monostarch Phosphate

INS: 1410

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		4	
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 41	7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000 mg/kg		7	
13.1.1	Infant formulae	GMP		4	
13.1.2	Follow-up formulae	GMP		4	
13.1.3	Formulae for special medical purposes for infants	50000 mg/kg		4	
13.2	Complementary foods for infants and young children	50000 mg/kg		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	10000 mg/kg		7	

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	

NEOTAME

Function: Flavour 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 mainly 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	

NEOTAME

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 (syrops)	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	1000 mg/kg		3	
05.3	Chewing gum	1000 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	12 mg/kg		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	

NEOTAME

Function: Flavour Enhancer, Sweetener

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	4	
01.4.3	Clotted cream (plain)	10 mg/kg	Note 28	7	
01.6.1	Unripened cheese	12.5 mg/kg	Note 28	7	
01.6.2	Ripened cheese	12.5 mg/kg	Note 28	7	
01.6.3	Whey cheese	12.5 mg/kg	Note 28	7	
01.6.4	Processed cheese	250 mg/kg	Note 28	7	
01.6.5	Cheese analogues	12.5 mg/kg	Note 28	7	
01.6.6	Whey protein cheese	12.5 mg/kg	Note 28	7	

NISIN

Function: Preservative

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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	7	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	3 mg/kg	Note 28	7	
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	250 mg/kg	Note 28	7	
08.0	Meat and meat products, including poultry and game	500 mg/kg	Note 28	4	
10.2.1	Liquid egg products	GMP	Note 28	4	
12.5.1	Ready-to-eat soups and broths, including canned, bottled, and frozen	GMP	Note 28	7	
12.9.5	Other protein products	200 mg/kg	Note 28	4	

NITRATES

Sodium Nitrate

INS: 251

Potassium Nitrate

INS: 252

Function: Colour Retention Agent, Preservative

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.6	Cheese and analogues	40 mg/kg	Note 30	7	
08.1	Fresh meat, poultry, and game	150 mg/kg	Note 30	7	
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	7	
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	7	
08.2.1.3	Fermented non-heat treated processed meat, poultry, and game products in whole pieces or cuts	450 mg/kg	Note 30	7	
08.2.2	Heat-treated processed meat, poultry, and game products in whole pieces or cuts	365 mg/kg	Note 30	7	
08.2.3	Frozen processed meat, poultry, and game products in whole pieces or cuts	220 mg/kg	Note 30	7	
08.3.1.1	Cured (including salted) non-heat treated processed comminuted meat, poultry, and game products	1250 mg/kg	Note 30	7	
08.3.1.2	Cured (including salted) and dried non-heat treated processed comminuted meat, poultry, and game products	365 mg/kg	Note 30	7	
08.3.1.3	Fermented non-heat treated processed comminuted meat, poultry, and game products	365 mg/kg	Note 30	7	
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	365 mg/kg	Note 30	7	
08.3.3	Frozen processed comminuted meat, poultry, and game products	365 mg/kg	Note 30	7	
08.4	Edible casings (e.g., sausage casings)	150 mg/kg	Note 30	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	150 mg/kg	Note 30	7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	365 mg/kg	Notes 22 & 30	7	
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	220 mg/kg	Note 30	7	
14.2.4	Wines (other than grape)	70 mg/kg	Notes 30 & 31	7	

NITRITES

NITRITES

Potassium Nitrite

INS: 249

Sodium Nitrite

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	7	
08.1	Fresh meat, poultry, and game	130 mg/kg	Note 32	7	
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	7	
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	7	
08.2.1.3	Fermented non-heat treated processed meat, poultry, and game products in whole pieces or cuts	130 mg/kg	Note 32	7	
08.2.2	Heat-treated processed meat, poultry, and game products in whole pieces or cuts	170 mg/kg	Note 32	7	
08.2.3	Frozen processed meat, poultry, and game products in whole pieces or cuts	170 mg/kg	Note 32	7	
08.3	Processed comminuted meat, poultry, and game products	130 mg/kg	Note 32	7	
08.4	Edible casings (e.g., sausage casings)	130 mg/kg	Note 32	7	
09.2.4.1	Cooked fish and fish products	100 mg/kg	Note 32	4	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	130 mg/kg	Notes 22 & 32	7	
09.3.3	Salmon substitutes, caviar, and other fish roe products	5 mg/kg	Note 32	7	

NITROGEN

Nitrogen

INS: 941

Function: Propellant

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1	Milk and buttermilk (plain)	GMP	Note 59	7	
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	GMP	Note 59	7	
01.4.1	Pasteurized cream (plain)	GMP	Note 59	7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP	Note 59	4	
02.1	Fats and oils essentially free from water	GMP	Note 59	7	
02.2.1.1	Butter and concentrated butter	GMP	Notes 52 & 59	7	
04.1.1	Fresh fruit	GMP	Note 59	7	
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	7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 59	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 59	7	
13.1.1	Infant formulae	GMP	Note 59	4	
13.1.2	Follow-up formulae	GMP	Note 59	4	
13.2	Complementary foods for infants and young children	GMP	Note 59	4	

NITROGEN

Function: Propellant

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	Note 59	7	
14.2.3	Grape wines	GMP	Note 59	7	

NITROUS OXIDE

Nitrous Oxide

INS: 942

Function: Propellant

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1	Milk and buttermilk (plain)	GMP		7	
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation	GMP		7	
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1.1	Untreated fresh fruit	GMP		7	
04.1.1.3	Peeled or cut fresh fruit	GMP		7	
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		7	
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		7	
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		7	
06.1	Whole, broken, or flaked grain, including rice	GMP		7	
06.2	Flours and starches (including soybean powder)	GMP		7	
06.4.2	Dried pastas and noodles and like products	GMP		7	
08.1	Fresh meat, poultry, and game	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
10.1	Fresh eggs	GMP		7	
10.2.1	Liquid egg products	GMP		7	
10.2.2	Frozen egg products	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7	
11.5	Honey	GMP		7	
12.1	Salt and salt substitutes	GMP		7	
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	GMP	Note 51	7	
13.1.1	Infant formulae	GMP		7	
13.1.2	Follow-up formulae	GMP		7	

NITROUS OXIDE

Function: Propellant

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
13.2	Complementary foods for infants and young children	GMP		7	
14.1.1.1	Natural mineral waters and source waters	GMP	Note 68	7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	

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: Bulking Agent, Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1.2	Buttermilk (plain)	GMP		7	
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	GMP		4	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		7	
01.2.2	Renneted milk (plain)	GMP		7	
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	7	
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	7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 41	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	

OXIDIZED STARCH

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)	10000 mg/kg		7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
13.1.1	Infant formulae	GMP		4	
13.1.2	Follow-up formulae	GMP		4	
13.1.3	Formulae for special medical purposes for infants	50000 mg/kg		4	
13.2	Complementary foods for infants and young children	50000 mg/kg		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	10000 mg/kg		7	

PAPAIN

Papain

INS: 1101ii

Function: Flavour 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		7	
06.2.1	Flours	GMP		7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP		7	
14.2.3	Grape wines	GMP		7	

PECTINS

Pectins

INS: 440

Function: Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1	Milk and buttermilk (plain)	GMP		7	
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation	GMP		7	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	10000 mg/kg		7	
01.2.2	Renneted milk (plain)	GMP		7	
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000 mg/kg		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP		7	
04.1.1.3	Peeled or cut fresh fruit	GMP		7	
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		7	
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		7	

PECTINS

Function: Emulsifier, Stabilizer, Thickener

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	20000 mg/kg		7	
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		4	
06.4.1	Fresh pastas and noodles and like products	GMP		4	
06.4.2	Dried pastas and noodles and like products	GMP		7	
08.1	Fresh meat, poultry, and game	GMP		7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	20000 mg/kg	Note 16	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Notes 41 & 61	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
10.2.1	Liquid egg products	GMP		7	
10.2.2	Frozen egg products	GMP		7	
11.1.1	White sugar, dextrose anhydrous, dextrose monohydrate, fructose	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
13.1.1	Infant formulae	10000 mg/kg		7	
13.1.2	Follow-up formulae	10000 mg/kg		7	
13.1.3	Formulae for special medical purposes for infants	10000 mg/kg		4	
13.2	Complementary foods for infants and young children	20000 mg/kg		7	
14.1.2.1	Fruit juice	GMP	Note 35	Adopted 2005	
14.1.2.3	Concentrates for fruit juice	GMP	Notes 35 & 127	Adopted 2005	
14.1.3.1	Fruit nectar	GMP		Adopted 2005	
14.1.3.2	Vegetable nectar	3000 mg/kg		4	
14.1.3.3	Concentrates for fruit nectar	GMP	Note 127	Adopted 2005	
14.1.3.4	Concentrates for vegetable nectar	3000 mg/kg		4	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	
14.2.3	Grape wines	GMP		7	

PHOSPHATED DISTARCH PHOSPHATE

Phosphated Distarch Phosphate

INS: 1413

PHOSPHATED DISTARCH PHOSPHATE

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		4	
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
06.4.1	Fresh pastas and noodles and like products	200 mg/kg		4	
06.4.2	Dried pastas and noodles and like products	200 mg/kg		4	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 41	7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000 mg/kg		7	
13.1.1	Infant formulae	60000 mg/kg		7	
13.1.2	Follow-up formulae	25000 mg/kg		7	
13.1.3	Formulae for special medical purposes for infants	60000 mg/kg		4	
13.2	Complementary foods for infants and young children	60000 mg/kg		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	10000 mg/kg		7	

PHOSPHATES

Orthophosphoric Acid	INS: 338	Monosodium Orthophosphate	INS: 339i
Disodium Orthophosphate	INS: 339ii	Trisodium Orthophosphate	INS: 339iii
Monopotassium Orthophosphate	INS: 340i	Dipotassium Orthophosphate	INS: 340ii
Tripotassium Orthophosphate	INS: 340iii	Monocalcium Orthophosphate	INS: 341i
Dicalcium Orthophosphate	INS: 341ii	Tricalcium Orthophosphate	INS: 341iii
Monoammonium Orthophosphate	INS: 342i	Diammonium Orthophosphate	INS: 342ii
Monomagnesium Phosphate	INS: 343i	Dimagnesium Orthophosphate	INS: 343ii
Trimagnesium Orthophosphate	INS: 343iii	Disodium Diphosphate	INS: 450i
Trisodium Diphosphate	INS: 450ii	Tetrasodium Diphosphate	INS: 450iii
Tetrapotassium Diphosphate	INS: 450v	Dicalcium Diphosphate	INS: 450vi
Calcium Dihydrogen Diphosphate	INS: 450vii	Pentasodium Triphosphate	INS: 451i
Pentapotassium Triphosphate	INS: 451ii	Sodium Polyphosphate	INS: 452i
Potassium Polyphosphate	INS: 452ii	Sodium Calcium Polyphosphate	INS: 452iii
Calcium Polyphosphates	INS: 452iv	Ammonium Polyphosphates	INS: 452v
Bone Phosphate	INS: 542		

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
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PHOSPHATES

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
01.1.1	Milk and buttermilk (plain)	1500 mg/kg	Note 33	4	
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	1320 mg/kg	Note 33	7	
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	2200 mg/kg	Note 33	4	
01.3.1	Condensed milk (plain)	880 mg/kg	Notes 33 & 34	7	
01.3.2	Beverage whiteners	22000 mg/kg	Note 33	7	
01.4	Cream (plain) and the like	2200 mg/kg	Note 33	7	
01.5.1	Milk powder and cream powder (plain)	4400 mg/kg	Note 33	7	
01.5.2	Milk and cream powder analogues	2200 mg/kg	Note 33	4	
01.6.1	Unripened cheese	10000 mg/kg	Note 33	7	
01.6.2	Ripened cheese	880 mg/kg	Note 33	7	
01.6.3	Whey cheese	880 mg/kg	Note 33	7	
01.6.4	Processed cheese	14050 mg/kg	Note 33	7	
01.6.5	Cheese analogues	13200 mg/kg	Note 33	7	
01.6.6	Whey protein cheese	880 mg/kg	Note 33	7	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	10500 mg/kg	Note 33	4	
01.8.1	Liquid whey and whey products, excluding whey cheeses	880 mg/kg	Note 33	7	
01.8.2	Dried whey and whey products, excluding whey cheeses	4400 mg/kg	Note 33	4	
02.1.1	Butter oil, anhydrous milkfat, ghee	40 mg/kg	Note 33	7	
02.1.2	Vegetable oils and fats	220 mg/kg	Note 33	7	
02.1.3	Lard, tallow, fish oil, and other animal fats	220 mg/kg	Note 33	7	
02.2.1.1	Butter and concentrated butter	880 mg/kg	Note 33	7	
02.2.1.2	Margarine and similar products	2200 mg/kg	Note 33	7	
02.2.1.3	Blends of butter and margarine	GMP	Note 33	7	
02.2.2	Emulsions containing less than 80% fat	2200 mg/kg	Note 33	7	
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	2200 mg/kg	Note 33	7	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	7000 mg/kg	Note 33	7	
03.0	Edible ices, including sherbet and sorbet	12000 mg/kg	Note 33	7	
04.1.2.1	Frozen fruit	200 mg/kg	Note 33	7	
04.1.2.2	Dried fruit	10 mg/kg	Note 33	7	
04.1.2.3	Fruit in vinegar, oil, or brine	1100 mg/kg	Note 33	7	
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg	Note 33	7	
04.1.2.5	Jams, jellies, marmelades	530 mg/kg	Note 33	7	
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	1100 mg/kg	Note 33	7	
04.1.2.7	Candied fruit	10 mg/kg	Note 33	7	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	7000 mg/kg	Note 33	7	

PHOSPHATES

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
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	7000 mg/kg	Note 33	7	
04.1.2.11	Fruit fillings for pastries	7000 mg/kg	Note 33	7	
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 mg/kg	Note 33	7	
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 mg/kg	Notes 16 & 33	7	
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 mg/kg	Notes 33 & 76	4	
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 mg/kg	Notes 33 & 76	7	
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	Notes 33 & 76	7	
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 mg/kg	Note 33	7	
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 mg/kg	Note 33	7	
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 mg/kg	Notes 33 & 76	7	
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 mg/kg	Note 33	7	
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 mg/kg	Notes 33 & 76	7	
04.2.2.8	Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	2200 mg/kg	Notes 33 & 76	7	
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	6000 mg/kg	Note 33	7	
05.1.3	Cocoa-based spreads, including fillings	220 mg/kg	Note 33	7	
05.1.4	Cocoa and chocolate products	2200 mg/kg	Note 33	7	
05.1.5	Imitation chocolate, chocolate substitute products	2200 mg/kg	Note 33	7	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	2200 mg/kg	Note 33	7	
05.3	Chewing gum	44000 mg/kg	Note 33	7	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	7000 mg/kg	Note 33	7	
06.1	Whole, broken, or flaked grain, including rice	440 mg/kg	Note 33	7	
06.2.1	Flours	11900 mg/kg	Note 33	7	
06.2.2	Starches	6200 mg/kg	Note 33	4	
06.3	Breakfast cereals, including rolled oats	2200 mg/kg	Note 33	7	
06.4.1	Fresh pastas and noodles and like products	2000 mg/kg	Note 33	4	
06.4.2	Dried pastas and noodles and like products	2200 mg/kg	Note 33	7	

PHOSPHATES

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
06.4.3	Pre-cooked pastas and noodles and like products	2200 mg/kg	Note 33	4	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	7000 mg/kg	Note 33	7	
06.6	Batters (e.g., for breading or batters for fish or poultry)	5600 mg/kg	Note 33	4	
07.0	Bakery wares	9300 mg/kg	Note 33	7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	1100 mg/kg	Note 33	7	
08.1.2	Fresh meat, poultry, and game, comminuted	2200 mg/kg	Note 33	7	
08.2.1	Non-heat treated processed meat, poultry, and game products in whole pieces or cuts	2200 mg/kg	Note 33	7	
08.2.2	Heat-treated processed meat, poultry, and game products in whole pieces or cuts	3100 mg/kg	Note 33	7	
08.2.3	Frozen processed meat, poultry, and game products in whole pieces or cuts	2200 mg/kg	Note 33	7	
08.3	Processed comminuted meat, poultry, and game products	2200 mg/kg	Note 33	7	
08.4	Edible casings (e.g., sausage casings)	1100 mg/kg	Note 33	7	
09.1.1	Fresh fish	GMP	Note 33	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	4400 mg/kg	Note 33	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	4400 mg/kg	Note 33	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	2200 mg/kg	Note 33	7	
09.2.4.1	Cooked fish and fish products	2200 mg/kg	Note 33	7	
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	2200 mg/kg	Note 33	7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	2200 mg/kg	Note 33	4	
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	2200 mg/kg	Note 33	4	
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	2200 mg/kg	Note 33	7	
09.3.3	Salmon substitutes, caviar, and other fish roe products	2200 mg/kg	Note 33	4	
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	2200 mg/kg	Note 33	7	
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	4400 mg/kg	Note 33	7	
10.2.1	Liquid egg products	4400 mg/kg	Notes 33 & 67	7	
10.2.2	Frozen egg products	1290 mg/kg	Note 33	7	
10.2.3	Dried and/or heat coagulated egg products	GMP	Note 33	7	
10.3	Preserved eggs, including alkaline, salted, and canned eggs	1000 mg/kg	Note 33	7	
10.4	Egg-based desserts (e.g., custard)	7000 mg/kg	Note 33	7	
11.1.2	Powdered sugar, powdered dextrose	6600 mg/kg	Notes 33 & 56	7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	1320 mg/kg	Note 33	7	
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	1000 mg/kg	Note 33	7	
12.1.1	Salt	8800 mg/kg	Note 33	7	
12.1.2	Salt Substitutes	4400 mg/kg	Note 33	7	

PHOSPHATES

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
12.2.1	Herbs and spices	GMP	Note 33	7	
12.2.2	Seasonings and condiments	4400 mg/kg	Note 33	4	
12.4	Mustards	1320 mg/kg	Note 33	7	
12.5.1	Ready-to-eat soups and broths, including canned, bottled, and frozen	1320 mg/kg	Note 33	7	
12.5.2	Mixes for soups and broths	6600 mg/kg	Note 33	7	
12.6	Sauces and like products	8000 mg/kg	Note 33	7	
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	7	
12.9.5	Other protein products	8800 mg/kg	Note 33	7	
13.0	Foodstuffs intended for particular nutritional uses	2200 mg/kg	Note 33	7	
14.1.1.2	Table waters and soda waters	1000 mg/kg	Note 33	4	
14.1.2.1	Fruit juice	1000 mg/kg	Notes 33, 40 & 122	Adopted 2005	
14.1.2.2	Vegetable juice	2500 mg/kg	Notes 33 & 88	7	
14.1.2.3	Concentrates for fruit juice	1000 mg/kg	Notes 33, 40, 122 & 127	Adopted 2005	
14.1.2.4	Concentrates for vegetable juice	2500 mg/kg	Notes 3 & 88	7	
14.1.3.1	Fruit nectar	1000 mg/kg	Notes 33, 40 & 122	Adopted 2005	
14.1.3.2	Vegetable nectar	2500 mg/kg	Notes 33 & 88	7	
14.1.3.3	Concentrates for fruit nectar	1000 mg/kg	Notes 33, 40, 122 & 127	Adopted 2005	
14.1.3.4	Concentrates for vegetable nectar	2500 mg/kg	Notes 3 & 88	7	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	12000 mg/kg	Note 33	7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	880 mg/kg	Note 33	7	
14.2.1	Beer and malt beverages	440 mg/kg	Note 33	7	
14.2.2	Cider and perry	880 mg/kg	Note 33	7	
14.2.3	Grape wines	440 mg/kg	Note 33	7	
14.2.4	Wines (other than grape)	440 mg/kg	Note 33	7	
14.2.5	Mead	440 mg/kg	Note 33	7	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	440 mg/kg	Note 33	7	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	12000 mg/kg	Note 33	7	
15.0	Ready-to-eat savouries	2200 mg/kg	Note 33	7	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	2000 mg/kg	Note 33	7	

PHOSPHATIDIC ACID, AMMONIUM SALT

Phosphatidic Acid, Ammonium Salt

INS: 442

PHOSPHATIDIC ACID, AMMONIUM SALT

Function: 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		7	
01.4	Cream (plain) and the like	GMP		7	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	5000 mg/kg		7	
03.0	Edible ices, including sherbet and sorbet	7500 mg/kg		7	
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		7	
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	10000 mg/kg	Note 97	7	
05.1.4	Cocoa and chocolate products	10000 mg/kg		6	
05.1.5	Imitation chocolate, chocolate substitute products	10000 mg/kg		7	
07.1.1	Breads and rolls	GMP		7	

PIMARICIN

(syn. Natamycin)

INS: 235

Pimaricin

INS: 235

Function: Preservative

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	7	
01.6.2.1	Ripened cheese, includes rind	10 mg/kg	Note 3	7	
01.6.2.2	Rind of ripened cheese	40 mg/kg	Notes 3 & 80	7	
01.6.4	Processed cheese	20 mg/kg	Notes 3 & 81	7	
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

POLYDEXTROSE

Polydextroses A and N

INS: 1200

Function: Bulking Agent, Humectant, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1	Milk and buttermilk (plain)	GMP		7	
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	

POLYDEXTROSE

Function: Bulking Agent, Humectant, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
10.2.1	Liquid egg products	GMP		7	
10.2.2	Frozen egg products	GMP		7	
11.1	Refined and raw sugars	GMP		7	
11.2	Brown sugar excluding products of food category 11.1.3	GMP		7	
11.3	Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7	
11.5	Honey	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	

POLYDIMETHYLSILOXANE

Polydimethylsiloxane

INS: 900a

Function: Anticaking 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
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
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
04.2.2.1	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
06.6	Batters (e.g., for breading or batters for fish or poultry)	10 mg/kg		Adopted	1999

POLYDIMETHYLSILOXANE

Function: Anticaking Agent, Antifoaming Agent

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
12.5	Soups and broths	10 mg/kg		Adopted	1999
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	
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
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	20 mg/kg		Adopted	1999
14.2.1	Beer and malt beverages	10 mg/kg		Adopted	1999
14.2.2	Cider and perry	10 mg/kg		Adopted	1999
14.2.7	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

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

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

Function: Adjuvant, Crystallization Inhibitor, Emulsifier, 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		7	
01.2.1	Fermented milks (plain)	30000 mg/kg		7	
01.3.2	Beverage whiteners	5000 mg/kg		7	
01.4	Cream (plain) and the like	10000 mg/kg		7	
01.5	Milk powder and cream powder and powder analogues (plain)	10000 mg/kg		7	
01.6.4	Processed cheese	10000 mg/kg		7	

POLYGLYCEROL ESTERS OF FATTY ACIDS

Function: Adjuvant, Crystallization Inhibitor, Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.6.5	Cheese analogues	5000 mg/kg		7	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	10000 mg/kg		7	
02.0	Fats and oils, and fat emulsions	20000 mg/kg		7	
03.0	Edible ices, including sherbet and sorbet	10000 mg/kg		7	
04.1.1.2	Surface-treated fresh fruit	1000 mg/kg		7	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	5000 mg/kg		7	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	9000 mg/kg		7	
04.1.2.11	Fruit fillings for pastries	5000 mg/kg		7	
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		7	
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		7	
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	9000 mg/kg		7	
05.1.4	Cocoa and chocolate products	10000 mg/kg		7	
05.1.5	Imitation chocolate, chocolate substitute products	10000 mg/kg		7	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	5000 mg/kg		7	
05.3	Chewing gum	20000 mg/kg		7	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	10000 mg/kg		7	
06.1	Whole, broken, or flaked grain, including rice	10000 mg/kg		7	
06.2	Flours and starches (including soybean powder)	10000 mg/kg		7	
06.3	Breakfast cereals, including rolled oats	10000 mg/kg		7	
06.4.2	Dried pastas and noodles and like products	20000 mg/kg		7	
06.4.3	Pre-cooked pastas and noodles and like products	20000 mg/kg		7	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	9000 mg/kg		7	
06.6	Batters (e.g., for breading or batters for fish or poultry)	10000 mg/kg		7	
07.1.1	Breads and rolls	10000 mg/kg		7	
07.1.2	Crackers, excluding sweet crackers	6000 mg/kg		7	
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	6000 mg/kg		7	
07.1.4	Bread-type products, including bread stuffing and bread crumbs	10000 mg/kg		7	
07.1.5	Steamed breads and buns	6000 mg/kg		7	
07.1.6	Mixes for bread and ordinary bakery wares	6000 mg/kg		7	
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	10000 mg/kg		7	
08.0	Meat and meat products, including poultry and game	5000 mg/kg		7	
09.0	Fish and fish products, including mollusks, crustaceans, and echinoderms	10000 mg/kg		7	
10.2	Egg products	5000 mg/kg		7	

POLYGLYCEROL ESTERS OF FATTY ACIDS

Function: Adjuvant, Crystallization Inhibitor, Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
10.4	Egg-based desserts (e.g., custard)	9000 mg/kg		7	
12.5.1	Ready-to-eat soups and broths, including canned, bottled, and frozen	5000 mg/kg		7	
12.5.2	Mixes for soups and broths	9000 mg/kg	Note 127	7	
12.6	Sauces and like products	10000 mg/kg		4	
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	GMP		7	
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	10000 mg/kg		7	
12.6.3	Mixes for sauces and gravies	10000 mg/kg		7	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	5000 mg/kg		7	
13.4	Dietetic formulae for slimming purposes and weight reduction	5000 mg/kg		7	
13.6	Food supplements	50000 mg/kg		4	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	9000 mg/kg		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	5000 mg/kg		7	
14.2.1	Beer and malt beverages	500 mg/kg		7	
14.2.2	Cider and perry	5000 mg/kg		7	
14.2.3	Grape wines	500 mg/kg		7	
14.2.4	Wines (other than grape)	500 mg/kg		7	
14.2.5	Mead	500 mg/kg		7	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	5000 mg/kg		7	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	5000 mg/kg		7	
15.0	Ready-to-eat savouries	10000 mg/kg		7	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	10000 mg/kg		4	

POLYGLYCEROL ESTERS OF INTERESTERIFIED RICINOLEIC ACID

Polyglycerol Esters of Interesterified Ricinoleic Acid INS: 476

Function: Emulsifier, Stabilizer

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.4	Cream (plain) and the like	5000 mg/kg		7	
01.5	Milk powder and cream powder and powder analogues (plain)	10000 mg/kg		7	
01.6.4	Processed cheese	5000 mg/kg		7	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	5000 mg/kg		7	
02.1	Fats and oils essentially free from water	10000 mg/kg		7	
02.2	Fat emulsions mainly of type water-in-oil	10000 mg/kg		7	
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	20000 mg/kg		7	

POLYGLYCEROL ESTERS OF INTERESTERIFIED RICINOLEIC ACID

Function: Emulsifier, 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		7	
03.0	Edible ices, including sherbet and sorbet	10000 mg/kg		7	
04.1.1.2	Surface-treated fresh fruit	1000 mg/kg		7	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	5000 mg/kg		7	
04.1.2.11	Fruit fillings for pastries	5000 mg/kg		7	
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	5000 mg/kg	Note 97	4	
05.1.4	Cocoa and chocolate products	10000 mg/kg		7	
05.1.5	Imitation chocolate, chocolate substitute products	5000 mg/kg		7	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	3000 mg/kg		7	
05.3	Chewing gum	20000 mg/kg		7	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	5000 mg/kg		7	
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		7	
07.0	Bakery wares	5000 mg/kg		7	
08.0	Meat and meat products, including poultry and game	5000 mg/kg		7	
09.0	Fish and fish products, including mollusks, crustaceans, and echinoderms	5000 mg/kg		7	
10.2	Egg products	5000 mg/kg		7	
10.4	Egg-based desserts (e.g., custard)	5000 mg/kg		7	
12.5	Soups and broths	5000 mg/kg		7	
12.6	Sauces and like products	5000 mg/kg		7	
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		7	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	5000 mg/kg		7	
13.4	Dietetic formulae for slimming purposes and weight reduction	5000 mg/kg		7	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	5000 mg/kg		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	5000 mg/kg		7	
14.2.1	Beer and malt beverages	1000 mg/kg		7	
14.2.2	Cider and perry	1000 mg/kg		7	
14.2.3	Grape wines	1000 mg/kg		7	
14.2.4	Wines (other than grape)	1000 mg/kg		7	
15.0	Ready-to-eat savouries	1000 mg/kg		7	

POLYOXYETHYLENE STEARATES

Polyoxyethylene (8) Stearate

INS: 430

Polyoxyethylene (40) Stearate

INS: 431

POLYOXYETHYLENE STEARATES

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		7	
05.3	Chewing gum	20000 mg/kg		7	
07.1	Bread and ordinary bakery wares	5000 mg/kg		7	
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	4000 mg/kg		7	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	500 mg/kg		7	
14.2.3	Grape wines	GMP		7	

POLYSORBATES

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

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

Polyoxyethylene (20) Sorbitan Tristearate INS: 436

Function: Antifoaming Agent, Adjuvant, Emulsifier, Foaming Agent, Flour Treatment Agent, 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)	5000 mg/kg		6	
01.3.2	Beverage whiteners	5000 mg/kg		6	
01.4	Cream (plain) and the like	10000 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		Adopted 2005	
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	1000 mg/kg		Adopted 2005	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	10000 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	
05.1.2	Cocoa mixes (syrups)	500 mg/kg		6	

POLYSORBATES

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

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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	10000 mg/kg		3	
06.4.3	Pre-cooked pastas and noodles and like products	10000 mg/kg		3	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	3000 mg/kg			Adopted 2005
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)	10000 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			Adopted 2005
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	
12.9.5	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			Adopted 2005

POLYSORBATES

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

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
13.4	Dietetic formulae for slimming purposes and weight reduction	1000 mg/kg			Adopted 2005
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	10000 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	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	120 mg/kg		6	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	2000 mg/kg		6	

POLYVINYL ALCOHOL

Polyvinyl Alcohol

INS: 1203

Function: 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	

POLYVINYLPIRROLIDONE

Polyvinylpyrrolidone

INS: 1201

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

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
04.1.1.2	Surface-treated fresh fruit	GMP			Adopted 1999
05.3	Chewing gum	10000 mg/kg			Adopted 1999
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	3000 mg/kg			Adopted 1999
12.3	Vinegars	40 mg/kg			Adopted 1999
13.6	Food supplements	GMP			Adopted 1999
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

PONCEAU 4R

PONCEAU 4R

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INS: 124

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	100 mg/kg	Note 3	3	
01.6.2.2	Rind of ripened cheese	100 mg/kg		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	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	
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	500 mg/kg		3	
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	50 mg/kg		6	
05.1.2	Cocoa mixes (syrops)	50 mg/kg		6	
05.1.3	Cocoa-based spreads, including fillings	100 mg/kg		6	

PONCEAU 4R

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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	
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	500 mg/kg	Note 4	3	
10.4	Egg-based desserts (e.g., custard)	100 mg/kg		6	

PONCEAU 4R

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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 (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	300 mg/kg		3	
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	

POTASSIUM ACETATES

Potassium Acetates

INS: 261

Function: Acidity Regulator

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
13.1.3	Formulae for special medical purposes for infants	GMP		4	
13.2	Complementary foods for infants and young children	GMP		7	

POTASSIUM ALGINATE

POTASSIUM ALGINATE

Potassium Alginate

INS: 402

Function: Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1.2	Buttermilk (plain)	6000 mg/kg		7	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	5000 mg/kg		7	
01.4.1	Pasteurized cream (plain)	1000 mg/kg		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000 mg/kg		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP		7	
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		7	
06.4.2	Dried pastas and noodles and like products	GMP		7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	5000 mg/kg		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000 mg/kg		7	
13.1.1	Infant formulae	300 mg/kg		7	
13.1.3	Formulae for special medical purposes for infants	500 mg/kg		4	
13.2	Complementary foods for infants and young children	5000 mg/kg		7	
14.2.3.2	Sparkling and semi-sparkling grape wines	GMP		7	

POTASSIUM ASCORBATE

Potassium Ascorbate

INS: 303

Function: Antioxidant

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1	Fresh fruit	GMP		7	
06.2.1	Flours	300 mg/kg		7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg	Note 70	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 99	7	
13.1.2	Follow-up formulae	50 mg/kg		7	
13.2	Complementary foods for infants and young children	500 mg/kg	Note 70	7	
14.1.2.1	Fruit juice	GMP			Adopted 2005
14.1.2.3	Concentrates for fruit juice	GMP	Note 127		Adopted 2005
14.1.3.1	Fruit nectar	GMP			Adopted 2005
14.1.3.3	Concentrates for fruit nectar	GMP	Note 127		Adopted 2005

POTASSIUM ASCORBATE

Function: Antioxidant

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
14.2.3	Grape wines	GMP		7	

POTASSIUM CARBONATE

Potassium Carbonate

INS: 501i

Function: Acidity Regulator, Stabilizer

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	
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		4	
06.4.1	Fresh pastas and noodles and like products	GMP		4	
06.4.2	Dried pastas and noodles and like products	2600 mg/kg		7	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 41	7	
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	GMP	Note 51	4	
13.1	Infant formulae, follow-up formulae, and formulae for special medical purposes for infants	GMP		4	
13.1.1	Infant formulae	GMP		7	
13.1.2	Follow-up formulae	GMP		7	
13.2	Complementary foods for infants and young children	GMP		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		4	
14.2.3	Grape wines	5000 mg/kg		7	

POTASSIUM CHLORIDE

Potassium Chloride

INS: 508

Function: Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	
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		4	
06.4.2	Dried pastas and noodles and like products	GMP		4	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP		7	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	

POTASSIUM CHLORIDE

Function: 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	30000 mg/kg		7	
12.1.1	Salt	350 mg/kg		4	
12.1.2	Salt Substitutes	GMP		4	
12.2.1	Herbs and spices	GMP	Note 51	4	
13.1.1	Infant formulae	GMP		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		4	

POTASSIUM DIHYDROGEN CITRATE

Potassium Dihydrogen Citrate

INS: 332i

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

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1.2	Buttermilk (plain)	GMP		7	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		7	
01.2.2	Renneted milk (plain)	GMP		7	
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	7	
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	7	
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		7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 61	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 61	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	

POTASSIUM DIHYDROGEN CITRATE

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

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
13.1	Infant formulae, follow-up formulae, and formulae for special medical purposes for infants	2000 mg/kg		4	
13.2	Complementary foods for infants and young children	GMP		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	

POTASSIUM HYDROGEN CARBONATE

Potassium Hydrogen Carbonate

INS: 501ii

Function: Acidity Regulator, Raising Agent, Stabilizer

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.4.1	Pasteurized cream (plain)	2000 mg/kg		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 41	7	
13.1.1	Infant formulae	GMP		7	
13.1.2	Follow-up formulae	GMP		7	
13.1.3	Formulae for special medical purposes for infants	GMP		4	
13.2	Complementary foods for infants and young children	GMP		7	
14.2.3	Grape wines	5000 mg/kg		7	

POTASSIUM HYDROXIDE

Potassium Hydroxide

INS: 525

Function: Acidity 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		7	
13.1.1	Infant formulae	GMP		7	
13.1.2	Follow-up formulae	GMP		7	
13.1.3	Formulae for special medical purposes for infants	GMP		4	
13.2	Complementary foods for infants and young children	GMP		7	

POTASSIUM LACTATE

Potassium Lactate

INS: 326

Potassium Lactate (Solution)

INS: 326

Function: Acidity Regulator, Antioxidant

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1.2	Buttermilk (plain)	GMP		7	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		7	
01.4.1	Pasteurized cream (plain)	GMP		7	

POTASSIUM LACTATE

Function: Acidity Regulator, Antioxidant

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		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
08.1	Fresh meat, poultry, and game	20000 mg/kg		7	
13.1.3	Formulae for special medical purposes for infants	GMP		4	
13.2	Complementary foods for infants and young children	GMP		7	

POWDERED CELLULOSE

Powdered Cellulose

INS: 460ii

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

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1.2	Buttermilk (plain)	GMP		7	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		7	
01.2.2	Renneted milk (plain)	GMP		7	
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	7	
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	7	
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		7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
13.1.1	Infant formulae	GMP		7	
13.1.2	Follow-up formulae	GMP		7	
13.2	Complementary foods for infants and young children	GMP		7	

POWDERED CELLULOSE

Function: Anticaking Agent, Bulking Agent, Emulsifier, Stabilizer, 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	GMP		7	

PROCESSED EUCHEUMA SEAWEED

Processed Eucheuma Seaweed

INS: 407a

Function: Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1	Milk and buttermilk (plain)	GMP		4	
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	5000 mg/kg		7	
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000 mg/kg		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP		7	
04.1.1.3	Peeled or cut fresh fruit	GMP		4	
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		7	
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		4	
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		4	
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		4	
06.4.1	Fresh pastas and noodles and like products	GMP		4	
06.4.2	Dried pastas and noodles and like products	8330 mg/kg	Note 37	7	
08.1	Fresh meat, poultry, and game	GMP		4	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	5000 mg/kg		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	5000 mg/kg		7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.4.1	Cooked fish and fish products	5000 mg/kg		7	
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	GMP		4	
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
10.2.1	Liquid egg products	GMP		4	
10.2.2	Frozen egg products	GMP		4	

PROCESSED EUCHEUMA SEAWEED

Function: 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		4	
12.2.1	Herbs and spices	GMP	Note 51	7	
13.1.1	Infant formulae	1000 mg/kg		7	
13.1.2	Follow-up formulae	1000 mg/kg		7	
13.2	Complementary foods for infants and young children	GMP		4	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	

PROPYL GALLATE

Propyl Gallate

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	Notes 15, 75 & 130	Adopted	2001
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	90 mg/kg	Notes 2, 15 & 130	Adopted	2001
02.1	Fats and oils essentially free from water	200 mg/kg	Notes 15 & 130	Adopted	2004
02.2.1.2	Margarine and similar products	200 mg/kg	Notes 15 & 130	Adopted	2004
02.2.1.3	Blends of butter and margarine	200 mg/kg	Notes 15 & 130	Adopted	2004
02.2.2	Emulsions containing less than 80% fat	200 mg/kg	Notes 15 & 130	Adopted	2004
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	200 mg/kg	Notes 15 & 130	Adopted	2004
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	200 mg/kg	Notes 15 & 130	Adopted	2004
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	90 mg/kg	Notes 2, 15 & 130	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	Notes 15, 76 & 130	Adopted	2001
05.1	Cocoa products and chocolate products including imitations and chocolate substitutes	200 mg/kg	Notes 15 & 130	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	Notes 15 & 130	Adopted	2001
05.3	Chewing gum	1000 mg/kg	Note 130	Adopted	2001
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	200 mg/kg	Notes 15 & 130	Adopted	2001
06.1	Whole, broken, or flaked grain, including rice	100 mg/kg	Notes 15 & 130	Adopted	2001
06.3	Breakfast cereals, including rolled oats	200 mg/kg	Notes 15 & 130	Adopted	2001
06.4.3	Pre-cooked pastas and noodles and like products	100 mg/kg	Notes 15 & 130	Adopted	2001
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	90 mg/kg	Notes 2, 15 & 130	Adopted	2001
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	100 mg/kg	Notes 15 & 130	Adopted	2001

PROPYL GALLATE

Function: Antioxidant

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
07.2.3	Mixes for fine bakery wares (e.g., cakes, pancakes)	200 mg/kg	Notes 15 & 130	Adopted	2001
08.2	Processed meat, poultry, and game products in whole pieces or cuts	200 mg/kg	Notes 15 & 130	Adopted	2001
08.3	Processed comminuted meat, poultry, and game products	200 mg/kg	Notes 15 & 130	Adopted	2001
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg	Notes 15 & 130	Adopted	2001
10.4	Egg-based desserts (e.g., custard)	90 mg/kg	Notes 15 & 130	Adopted	2001
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	200 mg/kg	Notes 15 & 130	Adopted	2001
12.5.2	Mixes for soups and broths	200 mg/kg	Notes 15 & 130	Adopted	2001
12.6	Sauces and like products	200 mg/kg	Notes 15 & 130	Adopted	2001
13.6	Food supplements	400 mg/kg	Notes 15 & 130	Adopted	2001
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	1000 mg/kg	Notes 15 & 130	Adopted	2001
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	200 mg/kg	Notes 15 & 130	Adopted	2005
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	200 mg/kg	Notes 15 & 130	Adopted	2005

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	Year
01.6.1	Unripened cheese	6000 mg/kg		7	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	25000 mg/kg		7	
03.0	Edible ices, including sherbet and sorbet	25000 mg/kg		7	
04.1.2.2	Dried fruit	50000 mg/kg		7	
04.1.2.7	Candied fruit	50000 mg/kg		7	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	200000 mg/kg		7	
04.1.2.11	Fruit fillings for pastries	200000 mg/kg		7	
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		7	
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	7	
05.0	Confectionery	240000 mg/kg		7	
06.4.1	Fresh pastas and noodles and like products	20000 mg/kg		7	
06.4.3	Pre-cooked pastas and noodles and like products	20000 mg/kg		4	
06.6	Batters (e.g., for breading or batters for fish or poultry)	500 mg/kg	Note 72	7	
07.1	Bread and ordinary bakery wares	10000 mg/kg		7	

PROPYLENE GLYCOL

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
07.2.1	Cakes, cookies and pies (e.g., fruit-filled or custard types)	50000 mg/kg		7	
07.2.2	Other fine bakery products (e.g., doughnuts, sweet rolls, scones, and muffins)	10000 mg/kg		7	
07.2.3	Mixes for fine bakery wares (e.g., cakes, pancakes)	10000 mg/kg		7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	20000 mg/kg	Note 22	7	
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	GMP		7	
12.1.1	Salt	350 mg/kg		7	
12.2.2	Seasonings and condiments	970000 mg/kg		7	
12.4	Mustards	15000 mg/kg		7	
12.5.2	Mixes for soups and broths	500 mg/kg	Note 127	7	
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	800 mg/kg		7	
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	500 mg/kg		7	
13.6	Food supplements	2000 mg/kg		4	
14.1.4.1	Carbonated water-based flavoured drinks	3000 mg/kg		7	
14.1.4.2	Non-carbonated water-based flavoured drinks, including punches and ades	3000 mg/kg		7	
14.1.4.3	Concentrates (liquid or solid) for water-based flavoured drinks	200000 mg/kg		7	
14.2	Alcoholic beverages, including alcohol-free and low-alcoholic counterparts	50000 mg/kg		7	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	300 mg/kg		7	
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	50000 mg/kg		7	

PROPYLENE GLYCOL ALGINATE

Propylene Glycol Alginate

INS: 405

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

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1.2	Buttermilk (plain)	3000 mg/kg		7	
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	10000 mg/kg		4	
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	10000 mg/kg		4	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	5000 mg/kg		7	
01.3.2	Beverage whiteners	5000 mg/kg		7	
01.4.3	Clotted cream (plain)	5000 mg/kg		7	
01.4.4	Cream analogues	2500 mg/kg		7	
01.6.1	Unripened cheese	9000 mg/kg		7	
01.6.2.1	Ripened cheese, includes rind	9000 mg/kg		7	
01.6.2.2	Rind of ripened cheese	9000 mg/kg		7	

PROPYLENE GLYCOL ALGINATE

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

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.6.2.3	Cheese powder (for reconstitution; e.g., for cheese sauces)	16000 mg/kg		7	
01.6.3	Whey cheese	9000 mg/kg		7	
01.6.4	Processed cheese	9000 mg/kg		7	
01.6.5	Cheese analogues	9000 mg/kg		7	
01.6.6	Whey protein cheese	9000 mg/kg		7	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	10000 mg/kg		7	
02.1	Fats and oils essentially free from water	11000 mg/kg		7	
02.2.1	Emulsions containing at least 80% fat	3000 mg/kg		7	
02.2.2	Emulsions containing less than 80% fat	10000 mg/kg		7	
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	3000 mg/kg		7	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	10000 mg/kg		7	
03.0	Edible ices, including sherbet and sorbet	10000 mg/kg		4	
04.1.1.2	Surface-treated fresh fruit	10000 mg/kg		4	
04.1.1.3	Peeled or cut fresh fruit	10000 mg/kg		4	
04.1.2.1	Frozen fruit	10000 mg/kg		7	
04.1.2.5	Jams, jellies, marmelades	20000 mg/kg		7	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	7500 mg/kg		7	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	10000 mg/kg		7	
04.1.2.11	Fruit fillings for pastries	7500 mg/kg		7	
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		4	
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		4	
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	6000 mg/kg		7	
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/kg	Note 39	7	
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)	10000 mg/kg		4	
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		7	
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		4	
05.1	Cocoa products and chocolate products including imitations and chocolate substitutes	5000 mg/kg		7	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	5000 mg/kg		7	
05.3	Chewing gum	10000 mg/kg		7	

PROPYLENE GLYCOL ALGINATE

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

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	7500 mg/kg		7	
06.4.1	Fresh pastas and noodles and like products	10000 mg/kg		4	
06.4.2	Dried pastas and noodles and like products	1000 mg/kg		4	
06.4.3	Pre-cooked pastas and noodles and like products	5000 mg/kg		7	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	10000 mg/kg		7	
07.0	Bakery wares	5000 mg/kg		7	
08.3	Processed comminuted meat, poultry, and game products	5000 mg/kg		7	
08.4	Edible casings (e.g., sausage casings)	20000 mg/kg		7	
10.2.1	Liquid egg products	10000 mg/kg		4	
10.2.2	Frozen egg products	10000 mg/kg		4	
10.4	Egg-based desserts (e.g., custard)	10000 mg/kg		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	5000 mg/kg		7	
12.2.2	Seasonings and condiments	6000 mg/kg		7	
12.5	Soups and broths	10000 mg/kg		4	
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	10000 mg/kg		7	
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	8000 mg/kg		7	
12.6.3	Mixes for sauces and gravies	8000 mg/kg		7	
12.6.4	Clear sauces (e.g., fish sauce)	8000 mg/kg		7	
13.1.1	Infant formulae	10000 mg/kg		4	
13.1.2	Follow-up formulae	10000 mg/kg		4	
13.1.3	Formulae for special medical purposes for infants	200 mg/kg		7	
13.2	Complementary foods for infants and young children	10000 mg/kg		4	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	1200 mg/kg		7	
13.4	Dietetic formulae for slimming purposes and weight reduction	1200 mg/kg		7	
13.6	Food supplements	1000 mg/kg		7	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	500 mg/kg		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	10000 mg/kg		4	
14.2.1	Beer and malt beverages	3000 mg/kg		7	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	10000 mg/kg		7	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	3000 mg/kg		7	

PROPYLENE GLYCOL ESTERS OF FATTY ACIDS

Propylene Glycol Esters of Fatty Acids INS: 477

Function: Emulsifier, Stabilizer

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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PROPYLENE GLYCOL ESTERS OF FATTY ACIDS

Function: 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)	5000 mg/kg			Adopted 2001
01.3.2	Beverage whiteners	1000 mg/kg			Adopted 2001
01.4.4	Cream analogues	5000 mg/kg	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 mainly 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	15000 mg/kg	Notes 11 & 72		Adopted 2001
10.4	Egg-based desserts (e.g., custard)	40000 mg/kg			Adopted 2001
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 reduction	5000 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

PROTEASE (A. ORYZAE VAR.)Protease (*Aspergillus oryzae* var.)

INS: 1101i

PROTEASE (A. ORYZAE VAR.)

Function: Enzyme, 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		7	
06.2.1	Flours	GMP		Adopted	1999
08.1	Fresh meat, poultry, and game	GMP		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	
14.2.3	Grape wines	GMP		7	

QUILLAIA EXTRACT

Quillaia Extract

INS: 999

Function: Foaming 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		7	

QUINOLINE YELLOW

Quinoline Yellow

INS: 104

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		7	
01.6.1	Unripened cheese	GMP	Note 3	7	
01.6.2.2	Rind of ripened cheese	GMP		7	
01.6.3	Whey cheese	GMP	Note 3	7	
01.6.4	Processed cheese	200 mg/kg		7	
01.6.5	Cheese analogues	GMP	Note 3	7	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	150 mg/kg		7	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	150 mg/kg		7	
03.0	Edible ices, including sherbet and sorbet	150 mg/kg		7	
04.1.1.2	Surface-treated fresh fruit	500 mg/kg	Note 16	7	
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg		7	
04.1.2.5	Jams, jellies, marmelades	500 mg/kg		7	
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/kg		7	
04.1.2.7	Candied fruit	200 mg/kg		7	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	500 mg/kg		7	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	150 mg/kg		7	

QUINOLINE YELLOW

Function: Colour

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	500 mg/kg	Note 16	7	
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		7	
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		7	
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		7	
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		7	
05.1	Cocoa products and chocolate products including imitations and chocolate substitutes	300 mg/kg		7	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	300 mg/kg		7	
05.3	Chewing gum	300 mg/kg		7	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500 mg/kg		7	
06.3	Breakfast cereals, including rolled oats	200 mg/kg		7	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	150 mg/kg		7	
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	200 mg/kg		7	
08.0	Meat and meat products, including poultry and game	500 mg/kg	Note 16	7	
09.1.1	Fresh fish	300 mg/kg	Note 50	7	
09.1.2	Fresh mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 95	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	7	
09.2.4.1	Cooked fish and fish products	500 mg/kg		7	
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	250 mg/kg		7	
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 22	7	
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	500 mg/kg	Note 16	7	
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	500 mg/kg	Note 16	7	
09.3.3	Salmon substitutes, caviar, and other fish roe products	500 mg/kg		7	
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		7	
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg		7	
10.1	Fresh eggs	GMP	Note 4	7	
10.4	Egg-based desserts (e.g., custard)	150 mg/kg		7	

QUINOLINE YELLOW

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
12.2.2	Seasonings and condiments	500 mg/kg		7	
12.4	Mustards	300 mg/kg		7	
12.5	Soups and broths	300 mg/kg		7	
12.6	Sauces and like products	500 mg/kg		7	
12.9.5	Other protein products	100 mg/kg		7	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	50 mg/kg		7	
13.4	Dietetic formulae for slimming purposes and weight reduction	50 mg/kg		7	
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		7	
13.6	Food supplements	300 mg/kg		7	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	100 mg/kg		7	
14.2.2	Cider and perry	200 mg/kg		7	
14.2.4	Wines (other than grape)	200 mg/kg		7	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	200 mg/kg		7	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	200 mg/kg		7	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	200 mg/kg		7	
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	100 mg/kg		7	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	500 mg/kg		7	

RED 2G

Red 2G

INS: 128

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	30 mg/kg	Note 12	7	
08.1.2	Fresh meat, poultry, and game, comminuted	25 mg/kg		7	
10.1	Fresh eggs	GMP	Note 4	7	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	GMP		7	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	GMP		7	

RIBOFLAVINS

Riboflavin 5'-Phosphate, Sodium

INS: 101i

Riboflavin 5'-Phosphate

INS: 101ii

Function: Colour

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

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)	300 mg/kg		Adopted	2005
01.3.2	Beverage whiteners	300 mg/kg		Adopted	2005
01.4	Cream (plain) and the like	300 mg/kg		3	
01.5.2	Milk and cream powder analogues	300 mg/kg		Adopted	2005
01.6.1	Unripened cheese	300 mg/kg		Adopted	2005
01.6.2.1	Ripened cheese, includes rind	300 mg/kg		Adopted	2005
01.6.2.2	Rind of ripened cheese	300 mg/kg		Adopted	2005
01.6.3	Whey cheese	300 mg/kg	Note 3	3	
01.6.4	Processed cheese	300 mg/kg		Adopted	2005
01.6.5	Cheese analogues	300 mg/kg		Adopted	2005
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	300 mg/kg		Adopted	2005
02.2.1.3	Blends of butter and margarine	300 mg/kg		Adopted	2005
02.2.2	Emulsions containing less than 80% fat	300 mg/kg		Adopted	2005
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	300 mg/kg		3	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	300 mg/kg		Adopted	2005
03.0	Edible ices, including sherbet and sorbet	500 mg/kg		Adopted	2005
04.1.1.2	Surface-treated fresh fruit	300 mg/kg	Note 16	Adopted	2005
04.1.2.3	Fruit in vinegar, oil, or brine	300 mg/kg		3	
04.1.2.4	Canned or bottled (pasteurized) fruit	300 mg/kg		Adopted	2005
04.1.2.5	Jams, jellies, marmelades	200 mg/kg		Adopted	2005
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/kg		Adopted	2005
04.1.2.7	Candied fruit	300 mg/kg		Adopted	2005
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	300 mg/kg		Adopted	2005
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	300 mg/kg		Adopted	2005
04.1.2.11	Fruit fillings for pastries	300 mg/kg		Adopted	2005
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	Adopted	2005
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		Adopted	2005
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	300 mg/kg		3	
05.1.2	Cocoa mixes (syrops)	1000 mg/kg		3	

RIBOFLAVINS

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
05.1.3	Cocoa-based spreads, including fillings	1000 mg/kg		3	
05.1.4	Cocoa and chocolate products	1000 mg/kg		3	
05.1.5	Imitation chocolate, chocolate substitute products	1000 mg/kg		Adopted	2005
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	1000 mg/kg		Adopted	2005
05.3	Chewing gum	1000 mg/kg		Adopted	2005
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	1000 mg/kg		Adopted	2005
06.3	Breakfast cereals, including rolled oats	300 mg/kg		Adopted	2005
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	300 mg/kg		Adopted	2005
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	300 mg/kg		Adopted	2005
06.6	Batters (e.g., for breading or batters for fish or poultry)	300 mg/kg		Adopted	2005
07.1	Bread and ordinary bakery wares	300 mg/kg		3	
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	300 mg/kg		Adopted	2005
08.0	Meat and meat products, including poultry and game	1000 mg/kg		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	300 mg/kg	Note 16	Adopted	2005
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	Note 16	Adopted	2005
09.2.4.1	Cooked fish and fish products	300 mg/kg		3	
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	300 mg/kg		3	
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	Note 16	Adopted	2005
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	Note 22	Adopted	2005
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	300 mg/kg	Note 16	Adopted	2005
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	300 mg/kg	Note 16	Adopted	2005
09.3.3	Salmon substitutes, caviar, and other fish roe products	300 mg/kg		Adopted	2005
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		Adopted	2005
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	300 mg/kg	Note 4	Adopted	2005
10.4	Egg-based desserts (e.g., custard)	300 mg/kg		Adopted	2005
11.3	Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3	300 mg/kg		Adopted	2005
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	300 mg/kg		Adopted	2005
12.2.2	Seasonings and condiments	350 mg/kg		Adopted	2005
12.4	Mustards	300 mg/kg		Adopted	2005
12.5.1	Ready-to-eat soups and broths, including canned, bottled, and frozen	200 mg/kg		Adopted	2005

RIBOFLAVINS

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
12.5.2	Mixes for soups and broths	150 mg/kg		Adopted	2005
12.6	Sauces and like products	350 mg/kg		Adopted	2005
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		Adopted	2005
12.9.5	Other protein products	300 mg/kg		Adopted	2005
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	300 mg/kg		Adopted	2005
13.4	Dietetic formulae for slimming purposes and weight reduction	300 mg/kg		Adopted	2005
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		Adopted	2005
13.6	Food supplements	300 mg/kg		Adopted	2005
14.1.3.2	Vegetable nectar	300 mg/kg		3	
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		Adopted	2005
14.2.2	Cider and perry	300 mg/kg		Adopted	2005
14.2.4	Wines (other than grape)	300 mg/kg		Adopted	2005
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		Adopted	2005
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	1000 mg/kg		Adopted	2005
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	1000 mg/kg		Adopted	2005
16.0	Composite foods - foods that could not be placed in categories 01 - 15	300 mg/kg		3	

SACCHARIN

Saccharin

INS: 954

Saccharin (and Sodium, Potassium, Calcium Salts)

INS: 954

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)	400 mg/kg		6	
01.2.1	Fermented milks (plain)	200 mg/kg		6	
01.2.2	Renneted milk (plain)	GMP		6	
01.6.1	Unripened cheese	100 mg/kg		6	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	200 mg/kg		6	
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	300 mg/kg		6	
04.1.2.3	Fruit in vinegar, oil, or brine	160 mg/kg		6	
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg		6	

SACCHARIN

Function: Flavour Enhancer, Sweetener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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	200 mg/kg		6	
04.1.2.7	Candied fruit	5000 mg/kg		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/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	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	2000 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	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)	500 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	500 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		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		6	
05.1	Cocoa products and chocolate products including imitations and chocolate substitutes	500 mg/kg		6	
05.2.1	Hard candy	3000 mg/kg		6	
05.2.2	Soft candy	500 mg/kg		6	
05.2.3	Nougats and marzipans	500 mg/kg		6	
05.3	Chewing gum	3000 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	100 mg/kg		6	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	100 mg/kg		6	
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	

SACCHARIN

Function: Flavour Enhancer, Sweetener

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	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/kg		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			Adopted 2005
14.1.3.3	Concentrates for fruit nectar	80 mg/kg	Note 127		Adopted 2005
14.1.3.4	Concentrates for vegetable nectar	300 mg/kg		6	
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	

SACCHARIN

Function: Flavour Enhancer, Sweetener

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)	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

Function: Anticaking Agent, Emulsifier, Stabilizer

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1.2	Buttermilk (plain)	GMP		7	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		7	
01.2.2	Renneted milk (plain)	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP	Notes 16 & 71	7	
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	7	
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		7	
06.4.2	Dried pastas and noodles and like products	GMP		7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Notes 16 & 71	7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP	Note 71	7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Notes 16 & 71	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 71	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Notes 16 & 71	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Notes 16 & 71	7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
10.2.1	Liquid egg products	GMP		7	
10.2.2	Frozen egg products	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP	Note 71	7	
12.1	Salt and salt substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	

SALTS OF OLEIC ACID (Ca, K, Na)

SALTS OF OLEIC ACID (Ca, K, Na)

SALTS OF OLEIC ACID (Ca, K, Na) INS: 470

Function: Anticaking Agent, Emulsifier, Stabilizer

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1.2	Buttermilk (plain)	GMP		7	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		7	
01.2.2	Renneted milk (plain)	GMP		7	
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	7	
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	7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	

SHELLAC

Shellac

INS: 904

Function: Bulking Agent, 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	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

SHELLAC

Function: Bulking Agent, Glazing Agent, Release Agent

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

SILICON DIOXIDE (AMORPHOUS)

Silicon Dioxide (Amorphous)

INS: 551

Function: Anticaking Agent, Filter Aid

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		4	
06.2	Flours and starches (including soybean powder)	GMP		4	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
11.1.1	White sugar, dextrose anhydrous, dextrose monohydrate, fructose	15000 mg/kg		4	
11.1.2	Powdered sugar, powdered dextrose	15000 mg/kg	Note 56	7	
12.1.1	Salt	20000 mg/kg		7	
12.1.2	Salt Substitutes	10000 mg/kg		7	
12.2.1	Herbs and spices	GMP	Note 51	4	
13.1.1	Infant formulae	10000 mg/kg	Note 65	7	
13.1.2	Follow-up formulae	10000 mg/kg	Note 65	7	
13.1.3	Formulae for special medical purposes for infants	10000 mg/kg	Note 65	4	
13.2	Complementary foods for infants and young children	10000 mg/kg	Note 65	7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	15000 mg/kg	Note 2	4	

SODIUM ACETATE

Sodium Acetate

INS: 262i

Function: Acidity Regulator, Preservative, Sequestrant

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
02.1	Fats and oils essentially free from water	5000 mg/kg		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.2.1	Fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP		7	
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		4	
06.1	Whole, broken, or flaked grain, including rice	6000 mg/kg		7	

SODIUM ACETATE

Function: Acidity Regulator, Preservative, Sequestrant

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
06.2	Flours and starches (including soybean powder)	6000 mg/kg		7	
06.4.1	Fresh pastas and noodles and like products	GMP		4	
06.4.2	Dried pastas and noodles and like products	6000 mg/kg		7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP		7	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
10.2.1	Liquid egg products	GMP		7	
10.2.2	Frozen egg products	GMP		7	
12.1.2	Salt Substitutes	GMP		4	
12.2.1	Herbs and spices	GMP	Note 51	4	
13.1.3	Formulae for special medical purposes for infants	GMP		4	
13.2	Complementary foods for infants and young children	GMP		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		4	

SODIUM ALGINATE

Sodium Alginate

INS: 401

Function: Bulking Agent, Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1.1	Milk (plain)	GMP		4	
01.1.1.2	Buttermilk (plain)	6000 mg/kg		7	
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	GMP		4	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	5000 mg/kg		7	
01.4.1	Pasteurized cream (plain)	1000 mg/kg		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000 mg/kg		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP		7	
04.1.1.3	Peeled or cut fresh fruit	GMP		4	
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		7	
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		4	
06.4.1	Fresh pastas and noodles and like products	GMP		4	
06.4.2	Dried pastas and noodles and like products	GMP		7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	15000 mg/kg		7	
08.1.2	Fresh meat, poultry, and game, comminuted	8000 mg/kg		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	

SODIUM ALGINATE

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	5000 mg/kg		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Notes 41 & 99	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
10.2.1	Liquid egg products	GMP		4	
10.2.2	Frozen egg products	GMP		4	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000 mg/kg		7	
13.1.1	Infant formulae	300 mg/kg		7	
13.1.3	Formulae for special medical purposes for infants	1000 mg/kg		4	
13.2	Complementary foods for infants and young children	5000 mg/kg		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		4	

SODIUM ALUMINIUM PHOSPHATES

Sodium Aluminium Phosphate-Acidic

INS: 541i

Sodium Aluminium Phosphate-Basic

INS: 541ii

Function: Acidity 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	4	
01.6.4	Processed cheese	35000 mg/kg	Note 29	7	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	2000 mg/kg	Note 6	7	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	2000 mg/kg	Note 6	7	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	2000 mg/kg	Note 6	7	
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	2000 mg/kg	Notes 6 & 72	7	
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	4	
06.2.1	Flours	45000 mg/kg	Note 29	7	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	2000 mg/kg	Note 6	7	
06.6	Batters (e.g., for breading or batters for fish or poultry)	1600 mg/kg	Note 6	7	
07.1	Bread and ordinary bakery wares	2000 mg/kg	Note 6	7	
07.2.1	Cakes, cookies and pies (e.g., fruit-filled or custard types)	2000 mg/kg	Note 6	7	
07.2.2	Other fine bakery products (e.g., doughnuts, sweet rolls, scones, and muffins)	2000 mg/kg	Note 6	7	
07.2.3	Mixes for fine bakery wares (e.g., cakes, pancakes)	15300 mg/kg	Note 29	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	190 mg/kg	Notes 6 & 41	7	
10.4	Egg-based desserts (e.g., custard)	2000 mg/kg	Note 6	7	

SODIUM ALUMINIUM PHOSPHATES

Function: Acidity Regulator, Emulsifier, Raising Agent, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
12.5.2	Mixes for soups and broths	2000 mg/kg	Note 6	7	
12.6.3	Mixes for sauces and gravies	2000 mg/kg	Note 6	7	
14.1.4.3	Concentrates (liquid or solid) for water-based flavoured drinks	2000 mg/kg	Note 6	7	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	190 mg/kg	Note 6	7	

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		7	
11.1.2	Powdered sugar, powdered dextrose	15000 mg/kg	Note 56	7	
12.1.1	Salt	20000 mg/kg		7	
12.1.2	Salt Substitutes	10000 mg/kg		7	

SODIUM ASCORBATE

Sodium Ascorbate

INS: 301

Function: Antioxidant, Colour Retention Agent

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
02.1	Fats and oils essentially free from water	200 mg/kg		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1	Fresh fruit	GMP		7	
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		7	
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		7	
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		4	
06.2	Flours and starches (including soybean powder)	GMP		4	
06.2.1	Flours	300 mg/kg		7	
06.4.1	Fresh pastas and noodles and like products	200 mg/kg		4	
06.4.2	Dried pastas and noodles and like products	200 mg/kg		4	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	500 mg/kg		7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg		7	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	

SODIUM ASCORBATE

Function: Antioxidant, Colour Retention Agent

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	1000 mg/kg	Note 70	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg		7	
12.1.2	Salt Substitutes	GMP		4	
12.2.1	Herbs and spices	GMP	Note 51	4	
13.1.1	Infant formulae	75 mg/kg		4	
13.1.2	Follow-up formulae	50 mg/kg		7	
13.1.3	Formulae for special medical purposes for infants	3000 mg/kg		4	
13.2	Complementary foods for infants and young children	3000 mg/kg		7	
14.1.2.1	Fruit juice	GMP			Adopted 2005
14.1.2.3	Concentrates for fruit juice	GMP	Note 127		Adopted 2005
14.1.3.1	Fruit nectar	GMP			Adopted 2005
14.1.3.3	Concentrates for fruit nectar	GMP	Note 127		Adopted 2005
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		4	
14.2.3	Grape wines	200 mg/kg		7	

SODIUM CARBONATE

Sodium Carbonate

INS: 500i

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

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
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		4	
06.2	Flours and starches (including soybean powder)	GMP		4	
06.4.1	Fresh pastas and noodles and like products	GMP		4	
06.4.2	Dried pastas and noodles and like products	2600 mg/kg		7	
08.1	Fresh meat, poultry, and game	GMP		4	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP		7	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 41	7	
12.1.2	Salt Substitutes	GMP		4	
12.2.1	Herbs and spices	GMP	Note 51	4	

SODIUM CARBONATE

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

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
13.1.1	Infant formulae	GMP		7	
13.1.2	Follow-up formulae	GMP		7	
13.1.3	Formulae for special medical purposes for infants	GMP		4	
13.2	Complementary foods for infants and young children	GMP		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	

SODIUM CARBOXYMETHYL CELLULOSE

Sodium Carboxymethyl Cellulose

INS: 466

Function: Bulking Agent, Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1.1	Milk (plain)	GMP		4	
01.1.1.2	Buttermilk (plain)	2000 mg/kg		7	
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	GMP		4	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	5000 mg/kg		7	
01.2.2	Renneted milk (plain)	GMP		7	
01.4.1	Pasteurized cream (plain)	5000 mg/kg		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000 mg/kg		7	
02.2.1.1	Butter and concentrated butter	2000 mg/kg	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	7	
04.1.1.3	Peeled or cut fresh fruit	GMP		4	
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	7	
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		4	
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		4	
06.4.1	Fresh pastas and noodles and like products	50000 mg/kg		4	
06.4.2	Dried pastas and noodles and like products	50000 mg/kg		4	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	15000 mg/kg		7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Notes 41 & 61	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	

SODIUM CARBOXYMETHYL CELLULOSE

Function: Bulking Agent, Emulsifier, 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		7	
10.2.1	Liquid egg products	GMP		4	
10.2.2	Frozen egg products	GMP		4	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	5000 mg/kg		7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
13.1.1	Infant formulae	GMP		4	
13.1.2	Follow-up formulae	GMP		4	
13.1.3	Formulae for special medical purposes for infants	10000 mg/kg		4	
13.2	Complementary foods for infants and young children	GMP		4	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	

SODIUM DIACETATE

Sodium Diacetate

INS: 262ii

Function: Acidity 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		7	
02.2	Fat emulsions mainly of type water-in-oil	GMP		7	
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	GMP		7	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	GMP		7	
04.1.2.3	Fruit in vinegar, oil, or brine	GMP		7	
04.1.2.4	Canned or bottled (pasteurized) fruit	GMP		7	
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		7	
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		7	
05.1.3	Cocoa-based spreads, including fillings	GMP		4	
05.1.5	Imitation chocolate, chocolate substitute products	GMP		4	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	3000 mg/kg		7	
06.4.2	Dried pastas and noodles and like products	3000 mg/kg		7	
06.4.3	Pre-cooked pastas and noodles and like products	3000 mg/kg		7	
07.0	Bakery wares	4000 mg/kg		7	
08.2	Processed meat, poultry, and game products in whole pieces or cuts	1000 mg/kg		7	
08.3	Processed comminuted meat, poultry, and game products	1000 mg/kg		7	
09.2.4.1	Cooked fish and fish products	3000 mg/kg		7	
10.2	Egg products	1000 mg/kg		7	

SODIUM DIACETATE

Function: Acidity Regulator, Preservative, Sequestrant

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
10.3	Preserved eggs, including alkaline, salted, and canned eggs	1000 mg/kg		7	
10.4	Egg-based desserts (e.g., custard)	2000 mg/kg		7	
12.5	Soups and broths	500 mg/kg		7	
12.6	Sauces and like products	2500 mg/kg		7	
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/kg		7	
13.2	Complementary foods for infants and young children	GMP		7	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	150 mg/kg		7	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	500 mg/kg		7	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	3000 mg/kg		7	

SODIUM DIHYDROGEN CITRATE

Sodium Dihydrogen Citrate

INS: 331i

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

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1.2	Buttermilk (plain)	GMP		7	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		7	
01.2.2	Renneted milk (plain)	GMP		7	
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	7	
04.2.1	Fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP		7	
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		7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 61	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	

SODIUM DIHYDROGEN CITRATE

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

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
10.2.1	Liquid egg products	GMP		7	
10.2.2	Frozen egg products	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
13.1	Infant formulae, follow-up formulae, and formulae for special medical purposes for infants	2000 mg/kg		4	
13.2	Complementary foods for infants and young children	5000 mg/kg		4	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	

SODIUM ERYTHORBATE

Sodium Isoascorbate

INS: 316

Function: Antioxidant, Colour Retention Agent

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
02.1	Fats and oils essentially free from water	100 mg/kg		7	
02.2.1.1	Butter and concentrated butter	100 mg/kg	Note 52	7	
04.1.1.3	Peeled or cut fresh fruit	GMP		7	
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		7	
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		7	
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		4	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.1	Frozen fish, fish filets, and fish products, including mollusks, crustaceans, and echinoderms	1500 mg/kg		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	
14.2.3	Grape wines	GMP		7	

SODIUM FUMARATE

Sodium Fumarate

INS: 365

Function: Acidity Regulator

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		4	

SODIUM FUMARATE

Function: Acidity Regulator

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
12.1.2	Salt Substitutes	GMP		4	
12.2.1	Herbs and spices	GMP	Note 51	4	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		4	

SODIUM GLUCONATE

Sodium Gluconate

INS: 576

Function: 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		4	
06.4.2	Dried pastas and noodles and like products	GMP		4	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
12.1.2	Salt Substitutes	GMP		4	
12.2.1	Herbs and spices	GMP	Note 51	4	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		4	

SODIUM HYDROGEN CARBONATE

Sodium Hydrogen Carbonate

INS: 500ii

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

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	
02.1.1	Butter oil, anhydrous milkfat, ghee	GMP		7	
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	1000 mg/kg		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
06.2.1	Flours	45000 mg/kg		7	
06.4.1	Fresh pastas and noodles and like products	GMP		4	
06.4.2	Dried pastas and noodles and like products	GMP		4	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 41	7	
13.1.1	Infant formulae	GMP		7	

SODIUM HYDROGEN CARBONATE

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

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
13.1.2	Follow-up formulae	GMP		7	
13.1.3	Formulae for special medical purposes for infants	GMP		4	
13.2	Complementary foods for infants and young children	GMP		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	

SODIUM HYDROXIDE

Sodium Hydroxide

INS: 524

Function: Acidity Regulator

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
06.2.2	Starches	GMP		7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP		7	
13.1.1	Infant formulae	GMP		7	
13.1.2	Follow-up formulae	GMP		7	
13.1.3	Formulae for special medical purposes for infants	GMP		4	
13.2	Complementary foods for infants and young children	GMP		7	

SODIUM LACTATE

Sodium Lactate

INS: 325

Function: Acidity Regulator, Antioxidant, Bulking Agent, Emulsifier, Humectant, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1.2	Buttermilk (plain)	GMP		7	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		7	
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.2.1	Fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	GMP		7	
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		4	
06.4.1	Fresh pastas and noodles and like products	2400 mg/kg		4	
06.4.2	Dried pastas and noodles and like products	2400 mg/kg		4	
08.1	Fresh meat, poultry, and game	20000 mg/kg		7	

SODIUM LACTATE

Function: Acidity Regulator, Antioxidant, Bulking Agent, Emulsifier, Humectant, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
10.2.1	Liquid egg products	GMP		7	
10.2.2	Frozen egg products	GMP		7	
13.1.3	Formulae for special medical purposes for infants	GMP		4	
13.2	Complementary foods for infants and young children	GMP		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		4	

SODIUM MALATE

Sodium Malate

INS: 350ii

Function: Acidity 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		4	
06.4.1	Fresh pastas and noodles and like products	GMP		4	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		4	
12.1.2	Salt Substitutes	GMP		4	
12.2.1	Herbs and spices	GMP	Note 51	4	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		4	

SODIUM SESQUICARBONATE

Sodium Sesquicarbonate

INS: 500iii

Function: Acidity Regulator, Anticaking Agent, Raising Agent

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 41	7	

SORBATES

Sorbic Acid

INS: 200

Sodium Sorbate

INS: 201

Potassium Sorbate

INS: 202

Calcium Sorbate

INS: 203

SORBATES

Function: Antioxidant, Preservative, Stabilizer

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1	Milk and buttermilk (plain)	1000 mg/kg	Note 42	7	
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	300 mg/kg	Note 42	7	
01.2.1	Fermented milks (plain)	300 mg/kg	Note 42	7	
01.2.2	Renneted milk (plain)	1000 mg/kg	Note 42	7	
01.3.2	Beverage whiteners	200 mg/kg	Note 42	7	
01.6	Cheese and analogues	3000 mg/kg	Note 42	7	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	1000 mg/kg	Note 42	7	
02.1.1	Butter oil, anhydrous milkfat, ghee	1000 mg/kg	Note 42	7	
02.2.1.2	Margarine and similar products	1000 mg/kg	Note 42	7	
02.2.1.3	Blends of butter and margarine	1000 mg/kg	Note 42	7	
02.2.2	Emulsions containing less than 80% fat	2000 mg/kg	Note 42	7	
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	1000 mg/kg	Note 42	7	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	1000 mg/kg	Note 42	7	
03.0	Edible ices, including sherbet and sorbet	1000 mg/kg	Note 42	7	
04.1.1	Fresh fruit	1000 mg/kg	Note 42	7	
04.1.2.1	Frozen fruit	1000 mg/kg	Note 42	7	
04.1.2.2	Dried fruit	2000 mg/kg	Note 42	7	
04.1.2.3	Fruit in vinegar, oil, or brine	2000 mg/kg	Note 42	7	
04.1.2.4	Canned or bottled (pasteurized) fruit	1000 mg/kg	Note 42	7	
04.1.2.5	Jams, jellies, marmelades	1000 mg/kg	Note 42	7	
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	1000 mg/kg	Note 42	7	
04.1.2.7	Candied fruit	1000 mg/kg	Note 42	7	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	1500 mg/kg	Note 42	7	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	1000 mg/kg	Note 42	7	
04.1.2.10	Fermented fruit products	1000 mg/kg	Note 42	7	
04.1.2.11	Fruit fillings for pastries	1000 mg/kg	Note 42	7	
04.1.2.12	Cooked fruit	1200 mg/kg	Note 42	7	
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	7	
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	7	
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	7	
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	7	

SORBATES

Function: Antioxidant, Preservative, Stabilizer

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	1000 mg/kg	Note 42	7	
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	7	
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	1500 mg/kg	Note 42	7	
05.1.2	Cocoa mixes (syrops)	1000 mg/kg	Note 42	7	
05.1.3	Cocoa-based spreads, including fillings	1500 mg/kg	Note 42	7	
05.1.4	Cocoa and chocolate products	1000 mg/kg	Note 42	7	
05.1.5	Imitation chocolate, chocolate substitute products	1500 mg/kg	Note 42	7	
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	7	
05.3	Chewing gum	1500 mg/kg	Note 42	7	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	1000 mg/kg	Note 42	7	
06.2	Flours and starches (including soybean powder)	1000 mg/kg	Note 42	7	
06.4.2	Dried pastas and noodles and like products	2000 mg/kg	Note 42	7	
06.4.3	Pre-cooked pastas and noodles and like products	2000 mg/kg	Note 42	7	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	1000 mg/kg	Note 42	7	
06.6	Batters (e.g., for breading or batters for fish or poultry)	2000 mg/kg	Note 42	7	
07.0	Bakery wares	2000 mg/kg	Note 42	7	
08.2	Processed meat, poultry, and game products in whole pieces or cuts	2000 mg/kg	Note 42	7	
08.3	Processed comminuted meat, poultry, and game products	2000 mg/kg	Note 42	7	
08.4	Edible casings (e.g., sausage casings)	GMP	Note 42	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	2000 mg/kg	Note 42	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	2000 mg/kg	Note 42	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	2000 mg/kg	Note 42	7	
09.2.4.1	Cooked fish and fish products	2000 mg/kg	Note 42	7	
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	2000 mg/kg	Notes 42 & 82	7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	2000 mg/kg	Note 42	7	
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	2000 mg/kg	Note 42	7	
10.2.1	Liquid egg products	5000 mg/kg	Note 42	7	
10.2.2	Frozen egg products	1000 mg/kg	Note 42	7	
10.2.3	Dried and/or heat coagulated egg products	1000 mg/kg	Note 42	7	
10.4	Egg-based desserts (e.g., custard)	1000 mg/kg	Note 42	7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	1000 mg/kg	Note 42	7	
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	1000 mg/kg	Note 42	7	
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	1000 mg/kg	Note 42	7	

SORBATES

Function: Antioxidant, Preservative, Stabilizer

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
12.3	Vinegars	1000 mg/kg	Note 42	7	
12.4	Mustards	1500 mg/kg	Note 42	7	
12.5	Soups and broths	1000 mg/kg	Note 42	7	
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	3350 mg/kg	Note 42	7	
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	2000 mg/kg	Note 42	7	
12.6.3	Mixes for sauces and gravies	2000 mg/kg	Note 42	7	
12.6.4	Clear sauces (e.g., fish sauce)	2000 mg/kg	Note 42	7	
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	7	
12.9.1.3	Other soybean protein products (including non-fermented soy sauce)	1000 mg/kg	Note 42	7	
12.10.3	Fermented soybean paste (e.g., miso)	1000 mg/kg	Note 42	7	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	1500 mg/kg	Note 42	7	
13.4	Dietetic formulae for slimming purposes and weight reduction	1500 mg/kg	Note 42	7	
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	7	
13.6	Food supplements	2000 mg/kg	Note 42	7	
14.1.1.2	Table waters and soda waters	200 mg/kg	Note 42	7	
14.1.2.1	Fruit juice	1000 mg/kg	Notes 42, 91 & 122	Adopted 2005	
14.1.2.2	Vegetable juice	1000 mg/kg	Note 42	7	
14.1.2.3	Concentrates for fruit juice	1000 mg/kg	Notes 42, 91, 122 & 127	Adopted 2005	
14.1.2.4	Concentrates for vegetable juice	1000 mg/kg	Note 42	7	
14.1.3.1	Fruit nectar	1000 mg/kg	Notes 42, 91 & 122	Adopted 2005	
14.1.3.2	Vegetable nectar	1000 mg/kg	Note 42	7	
14.1.3.3	Concentrates for fruit nectar	1000 mg/kg	Notes 42, 91, 122 & 127	Adopted 2005	
14.1.3.4	Concentrates for vegetable nectar	1000 mg/kg	Note 42	7	
14.1.4.1	Carbonated water-based flavoured drinks	1000 mg/kg	Note 42	7	
14.1.4.2	Non-carbonated water-based flavoured drinks, including punches and ades	1000 mg/kg	Note 42	7	
14.1.4.3	Concentrates (liquid or solid) for water-based flavoured drinks	1500 mg/kg	Note 42	7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	1000 mg/kg	Note 42	7	
14.2.1	Beer and malt beverages	500 mg/kg	Note 42	7	
14.2.2	Cider and perry	1000 mg/kg	Note 42	7	
14.2.3	Grape wines	2000 mg/kg	Note 42	7	
14.2.4	Wines (other than grape)	1000 mg/kg	Note 42	7	
14.2.5	Mead	1000 mg/kg	Note 42	7	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	600 mg/kg	Note 42	7	

SORBATES

Function: Antioxidant, Preservative, Stabilizer

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)	500 mg/kg	Note 42	7	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	1000 mg/kg	Note 42	7	
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	1000 mg/kg	Note 42	7	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	1000 mg/kg	Note 42	7	

SORBITAN ESTERS OF FATTY ACIDS

Sorbitan Monostearate	INS: 491	Sorbitan Tristearate	INS: 492
Sorbitan Monolaurate	INS: 493	Sorbitan Monooleate	INS: 494
Sorbitan Monopalmitate	INS: 495		

Function: 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)	5000 mg/kg		7	
01.3.2	Beverage whiteners	5000 mg/kg		7	
01.4.4	Cream analogues	5000 mg/kg		7	
01.5.2	Milk and cream powder analogues	4000 mg/kg		7	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	5000 mg/kg		7	
02.1	Fats and oils essentially free from water	10000 mg/kg		7	
02.2	Fat emulsions mainly of type water-in-oil	20000 mg/kg		7	
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	10000 mg/kg		7	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	10000 mg/kg		7	
03.0	Edible ices, including sherbet and sorbet	1200 mg/kg		7	
04.1.1.2	Surface-treated fresh fruit	5000 mg/kg	Note 16	4	
04.1.2.5	Jams, jellies, marmelades	25 mg/kg		7	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	5000 mg/kg		7	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	5000 mg/kg		7	
04.1.2.11	Fruit fillings for pastries	10000 mg/kg		7	
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		7	
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		7	
05.0	Confectionery	20000 mg/kg		7	
06.4.2	Dried pastas and noodles and like products	5000 mg/kg	Note 11	4	
06.4.3	Pre-cooked pastas and noodles and like products	5000 mg/kg	Note 11	4	

SORBITAN ESTERS OF FATTY ACIDS

Function: Emulsifier, Stabilizer

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	5000 mg/kg		7	
07.1.1	Breads and rolls	10000 mg/kg		7	
07.1.2	Crackers, excluding sweet crackers	5000 mg/kg	Note 11	7	
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	10000 mg/kg	Note 11	7	
07.1.4	Bread-type products, including bread stuffing and bread crumbs	5000 mg/kg	Note 11	7	
07.1.5	Steamed breads and buns	5000 mg/kg	Note 11	7	
07.1.6	Mixes for bread and ordinary bakery wares	5000 mg/kg	Note 11	7	
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	10000 mg/kg		7	
08.4	Edible casings (e.g., sausage casings)	3500 mg/kg		7	
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg		4	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg		4	
10.2	Egg products	500 mg/kg		7	
10.4	Egg-based desserts (e.g., custard)	5000 mg/kg		7	
12.5.2	Mixes for soups and broths	250 mg/kg	Note 127	7	
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	10000 mg/kg		7	
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	4000 mg/kg		7	
12.6.3	Mixes for sauces and gravies	5000 mg/kg		7	
12.8	Yeast and like products	15000 mg/kg	Note 104	7	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	5000 mg/kg		7	
13.4	Dietetic formulae for slimming purposes and weight reduction	5000 mg/kg		7	
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		4	
13.6	Food supplements	20000 mg/kg		4	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	5000 mg/kg		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	5000 mg/kg		7	
14.2.3	Grape wines	1000 mg/kg		4	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	5000 mg/kg		4	

SORBITOL (INCLUDING SORBITOL SYRUP)

Sorbitol and Sorbitol Syrup

INS: 420

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

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		7	
01.2.2	Renneted milk (plain)	GMP		7	
01.4.1	Pasteurized cream (plain)	200000 mg/kg		4	

SORBITOL (INCLUDING SORBITOL SYRUP)

Function: Bulking Agent, Emulsifier, Humectant, Sequestrant, Stabilizer, Sweetener, 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)	200000 mg/kg		4	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	7	
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	7	
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		4	
06.4.1	Fresh pastas and noodles and like products	35000 mg/kg		4	
06.4.2	Dried pastas and noodles and like products	GMP		7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	5000 mg/kg		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg		4	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.4.1	Cooked fish and fish products	35000 mg/kg		7	
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	GMP		7	
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
10.2.2	Frozen egg products	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
13.1.1	Infant formulae	GMP		7	
13.1.2	Follow-up formulae	GMP		7	
13.2	Complementary foods for infants and young children	GMP		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		4	

STANNOUS CHLORIDE

Stannous Chloride

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	20 mg/kg	Note 43	Adopted	2001

STANNOUS CHLORIDE

Function: Antioxidant, Colour Retention Agent, Preservative, Sequestrant

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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	25 mg/kg	Note 43	Adopted	2001
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	20 mg/kg	Note 43	Adopted	2001

STARCH ACETATE

Starch Acetate Esterified with Acetic Anhydride

INS: 1420

Starch Acetate Esterified with Vinyl Acetate

INS: 1421

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		4	
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 41	7	
13.1.1	Infant formulae	GMP		4	
13.1.2	Follow-up formulae	GMP		4	
13.1.3	Formulae for special medical purposes for infants	50000 mg/kg		4	
13.2	Complementary foods for infants and young children	50000 mg/kg		7	

STARCH SODIUM OCTENYL SUCCINATE

Starch Sodium Octenyl Succinate

INS: 1450

Function: 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		4	
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
13.1.1	Infant formulae	GMP		4	
13.1.2	Follow-up formulae	GMP		4	
13.1.3	Formulae for special medical purposes for infants	20000 mg/kg		4	
13.2	Complementary foods for infants and young children	50000 mg/kg		7	

STEAROYL-2-LACTYLATES

STEAROYL-2-LACTYLATES

Sodium Stearoyl Lactylate

INS: 481i

Calcium Stearoyl Lactylate

INS: 482i

Function: Emulsifier, 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		7	
01.3.2	Beverage whiteners	5000 mg/kg		7	
01.4.4	Cream analogues	10000 mg/kg	Note 2	7	
01.5.1	Milk powder and cream powder (plain)	2000 mg/kg		7	
01.6.5	Cheese analogues	2000 mg/kg		7	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	5000 mg/kg		7	
02.1	Fats and oils essentially free from water	3000 mg/kg		7	
02.2	Fat emulsions mainly of type water-in-oil	10000 mg/kg		7	
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	20000 mg/kg		7	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	5000 mg/kg		7	
03.0	Edible ices, including sherbet and sorbet	5000 mg/kg	Note 15	7	
04.1.2.7	Candied fruit	2000 mg/kg		7	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	200 mg/kg		7	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	10000 mg/kg		7	
04.1.2.11	Fruit fillings for pastries	5000 mg/kg		7	
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	7	
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	7	
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	2000 mg/kg		7	
05.1.3	Cocoa-based spreads, including fillings	5000 mg/kg		7	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	5000 mg/kg		7	
05.3	Chewing gum	20000 mg/kg		7	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	5000 mg/kg		7	
06.1	Whole, broken, or flaked grain, including rice	4000 mg/kg		7	
06.2.1	Flours	5000 mg/kg		7	
06.3	Breakfast cereals, including rolled oats	5000 mg/kg		7	
06.4.2	Dried pastas and noodles and like products	5000 mg/kg		4	
06.4.3	Pre-cooked pastas and noodles and like products	5000 mg/kg		4	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	6000 mg/kg		7	
06.6	Batters (e.g., for breading or batters for fish or poultry)	7500 mg/kg	Note 2	7	
07.1	Bread and ordinary bakery wares	5000 mg/kg		7	
07.2.1	Cakes, cookies and pies (e.g., fruit-filled or custard types)	5500 mg/kg		7	

STEAROYL-2-LACTYLATES

Function: Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
07.2.2	Other fine bakery products (e.g., doughnuts, sweet rolls, scones, and muffins)	5000 mg/kg		7	
07.2.3	Mixes for fine bakery wares (e.g., cakes, pancakes)	8000 mg/kg		7	
08.2.2	Heat-treated processed meat, poultry, and game products in whole pieces or cuts	4000 mg/kg		7	
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	4000 mg/kg		7	
10.2.1	Liquid egg products	500 mg/kg		7	
10.2.2	Frozen egg products	500 mg/kg		7	
10.2.3	Dried and/or heat coagulated egg products	5000 mg/kg		7	
10.4	Egg-based desserts (e.g., custard)	5000 mg/kg		7	
12.4	Mustards	2500 mg/kg		7	
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	10000 mg/kg		7	
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	2500 mg/kg		7	
12.6.3	Mixes for sauces and gravies	2500 mg/kg		7	
12.6.4	Clear sauces (e.g., fish sauce)	2500 mg/kg		7	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	2000 mg/kg		7	
13.4	Dietetic formulae for slimming purposes and weight reduction	2000 mg/kg		7	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	2000 mg/kg		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	2000 mg/kg	Note 2	7	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	8000 mg/kg		7	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	8000 mg/kg		7	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	5000 mg/kg		7	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	5000 mg/kg		7	

STEARYL CITRATE

Stearyl Citrate

INS: 484

Function: Antifoaming 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

SUCRALOSE

Sucralose

INS: 955

SUCRALOSE

Function: 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)	300 mg/kg		6	
01.2.1	Fermented milks (plain)	400 mg/kg		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		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	400 mg/kg		3	
04.1.2.2	Dried fruit	1500 mg/kg		3	
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	1000 mg/kg		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	400 mg/kg		3	
04.1.2.12	Cooked fruit	150 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	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		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		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)	1500 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	500 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	150 mg/kg		6	

SUCRALOSE

Function: Sweetener

Food Cat. No.	Food Category	Max Level	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	150 mg/kg		6	
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	1500 mg/kg		6	
05.1.2	Cocoa mixes (syrups)	1000 mg/kg		6	
05.1.3	Cocoa-based spreads, including fillings	1500 mg/kg		6	
05.1.4	Cocoa and chocolate products	1500 mg/kg		6	
05.1.5	Imitation chocolate, chocolate substitute products	1500 mg/kg		6	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	2400 mg/kg		3	
05.3	Chewing gum	5000 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	1000 mg/kg		6	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	1250 mg/kg		6	
06.6	Batters (e.g., for breading or batters for fish or poultry)	600 mg/kg		6	
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	600 mg/kg		6	
07.1	Bread and ordinary bakery wares	750 mg/kg		6	
07.2.1	Cakes, cookies and pies (e.g., fruit-filled or custard types)	750 mg/kg		6	
07.2.2	Other fine bakery products (e.g., doughnuts, sweet rolls, scones, and muffins)	800 mg/kg		6	
07.2.3	Mixes for fine bakery wares (e.g., cakes, pancakes)	750 mg/kg		6	
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	120 mg/kg		3	
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	450 mg/kg		6	
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	450 mg/kg		6	
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	120 mg/kg		3	
10.4	Egg-based desserts (e.g., custard)	400 mg/kg		3	
11.3	Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3	1500 mg/kg		6	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	1500 mg/kg		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	
12.3	Vinegars	GMP		3	
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	

SUCRALOSE

Function: Sweetener

Food Cat. No.	Food Category	Max Level	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	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	300 mg/kg		3	
14.1.2.4	Concentrates for vegetable juice	1500 mg/kg		3	
14.1.3.1	Fruit nectar	300 mg/kg			Adopted 2005
14.1.3.2	Vegetable nectar	300 mg/kg		3	
14.1.3.3	Concentrates for fruit nectar	300 mg/kg	Note 127		Adopted 2005
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	1500 mg/kg		3	
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: Emulsifier, 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		7	
01.3.2	Beverage whiteners	20000 mg/kg		7	
01.5.1	Milk powder and cream powder (plain)	10000 mg/kg		7	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	5000 mg/kg		7	
02.2	Fat emulsions mainly of type water-in-oil	10000 mg/kg		7	
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	10000 mg/kg		7	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	10000 mg/kg		7	
03.0	Edible ices, including sherbet and sorbet	10000 mg/kg		4	
04.1.1.2	Surface-treated fresh fruit	GMP		7	

SUCROGLYCERIDES

Function: Emulsifier, 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	5000 mg/kg		7	
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		7	
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	10000 mg/kg		7	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	5000 mg/kg		7	
05.3	Chewing gum	15000 mg/kg		7	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	5000 mg/kg		7	
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	10000 mg/kg		7	
08.2.2	Heat-treated processed meat, poultry, and game products in whole pieces or cuts	5000 mg/kg	Note 15	7	
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	5000 mg/kg	Note 15	7	
10.4	Egg-based desserts (e.g., custard)	5000 mg/kg		7	
12.5	Soups and broths	2000 mg/kg		7	
12.6	Sauces and like products	10000 mg/kg		7	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	5000 mg/kg		7	
13.4	Dietetic formulae for slimming purposes and weight reduction	5000 mg/kg		7	
13.6	Food supplements	GMP		7	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	5000 mg/kg		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	1000 mg/kg		7	
14.2.2	Cider and perry	5000 mg/kg		7	
14.2.4	Wines (other than grape)	5000 mg/kg		7	
14.2.5	Mead	5000 mg/kg		7	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	5000 mg/kg		7	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	5000 mg/kg		7	

SUCROSE ACETATE ISOBUTYRATE

Sucrose Acetate Isobutyrate

INS: 444

Function: Acidity Regulator, Adjuvant, Emulsifier, Stabilizer

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	500 mg/kg			Adopted 1999

SUCROSE ESTERS OF FATTY ACIDS

Sucrose Esters of Fatty Acids

INS: 473

SUCROSE ESTERS OF FATTY ACIDS

Function: Adjuvant, Emulsifiers, 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		7	
01.3.2	Beverage whiteners	20000 mg/kg		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	10000 mg/kg		4	
01.4.4	Cream analogues	10000 mg/kg		4	
01.5.1	Milk powder and cream powder (plain)	10000 mg/kg		7	
01.5.2	Milk and cream powder analogues	10000 mg/kg		7	
01.6.4	Processed cheese	10000 mg/kg		7	
01.6.5	Cheese analogues	10000 mg/kg		7	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	10000 mg/kg		7	
02.1.2	Vegetable oils and fats	10000 mg/kg		7	
02.2	Fat emulsions mainly of type water-in-oil	10000 mg/kg		7	
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	10000 mg/kg		7	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	10000 mg/kg		7	
03.0	Edible ices, including sherbet and sorbet	5000 mg/kg		7	
04.1.1.2	Surface-treated fresh fruit	1000 mg/kg		4	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	1500 mg/kg		7	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	5000 mg/kg		7	
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		4	
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		7	
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		7	
05.1	Cocoa products and chocolate products including imitations and chocolate substitutes	10000 mg/kg		7	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	20000 mg/kg		7	
05.3	Chewing gum	15000 mg/kg		7	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	10000 mg/kg		7	
06.3	Breakfast cereals, including rolled oats	10000 mg/kg		7	
06.4	Pastas and noodles and like products (e.g., rice paper, rice vermicelli, soybean pastas and noodles)	2000 mg/kg		4	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	10000 mg/kg		7	
06.6	Batters (e.g., for breading or batters for fish or poultry)	10000 mg/kg		7	
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	10000 mg/kg		7	
07.1	Bread and ordinary bakery wares	10000 mg/kg		4	

SUCROSE ESTERS OF FATTY ACIDS

Function: Adjuvant, Emulsifiers, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	10000 mg/kg		7	
08.2.2	Heat-treated processed meat, poultry, and game products in whole pieces or cuts	5000 mg/kg	Note 15	7	
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	5000 mg/kg	Note 15	7	
08.4	Edible casings (e.g., sausage casings)	5000 mg/kg		7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	10000 mg/kg		7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	10000 mg/kg		7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	10000 mg/kg		7	
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	10000 mg/kg		4	
10.4	Egg-based desserts (e.g., custard)	5000 mg/kg		7	
11.1	Refined and raw sugars	5000 mg/kg		7	
12.5	Soups and broths	5000 mg/kg		7	
12.6	Sauces and like products	10000 mg/kg		7	
13.1.1	Infant formulae	5000 mg/kg		7	
13.1.2	Follow-up formulae	5000 mg/kg		7	
13.2	Complementary foods for infants and young children	5000 mg/kg		7	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	5000 mg/kg		7	
13.4	Dietetic formulae for slimming purposes and weight reduction	5000 mg/kg		7	
13.6	Food supplements	50000 mg/kg		4	
14.1.4.1	Carbonated water-based flavoured drinks	1000 mg/kg		7	
14.1.4.2	Non-carbonated water-based flavoured drinks, including punches and ades	5000 mg/kg		7	
14.1.4.3	Concentrates (liquid or solid) for water-based flavoured drinks	10000 mg/kg		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	5000 mg/kg		7	
14.2.2	Cider and perry	5000 mg/kg		7	
14.2.4	Wines (other than grape)	5000 mg/kg		7	
14.2.5	Mead	5000 mg/kg		7	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	5000 mg/kg		7	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	10000 mg/kg		7	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	10000 mg/kg		7	

SULPHITES

SULPHITES

Sulphur Dioxide	INS: 220	Sodium Sulphite	INS: 221
Sodium Hydrogen Sulphite	INS: 222	Sodium Metabisulphite	INS: 223
Potassium Metabisulphite	INS: 224	Potassium Sulphite	INS: 225
Calcium Hydrogen Sulphite	INS: 227	Potassium Bisulphite	INS: 228
Sodium Thiosulphate	INS: 539		

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
01.6.4.1	Plain processed cheese	300 mg/kg	Note 44	6	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	100 mg/kg	Note 44	6	
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	50 mg/kg	Note 44	3	
03.0	Edible ices, including sherbet and sorbet	100 mg/kg	Note 44	6	
04.1.1.2	Surface-treated fresh fruit	30 mg/kg	Note 44	6	
04.1.1.2	Surface-treated fresh fruit	1000 mg/kg	Note 44	3	
04.1.2.1	Frozen fruit	500 mg/kg	Note 44	6	
04.1.2.2	Dried fruit	3000 mg/kg	Note 44	6	
04.1.2.3	Fruit in vinegar, oil, or brine	350 mg/kg	Note 44	6	
04.1.2.4	Canned or bottled (pasteurized) fruit	350 mg/kg	Note 44	6	
04.1.2.5	Jams, jellies, marmelades	3000 mg/kg	Note 44	6	
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)	750 mg/kg	Note 44	6	

SULPHITES

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
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	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	100 mg/kg	Note 44	6	
05.3	Chewing gum	150 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	
06.2.1	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	
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	15 mg/kg	Note 44		Adopted 2005
11.1.2	Powdered sugar, powdered dextrose	15 mg/kg	Note 44		Adopted 2005
11.1.3	Soft white sugar, soft brown sugar, glucose syrup, dried glucose syrup, raw cane sugar	20 mg/kg	Notes 44 & 111	6	
11.1.4	Lactose	20 mg/kg	Note 44	6	
11.1.5	Plantation or mill white sugar	70 mg/kg	Note 44		Adopted 2005
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	

SULPHITES

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
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 & 122	Adopted 2005	
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, 122 & 127	Adopted 2005	
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 & 122	Adopted 2005	
14.1.3.2	Vegetable nectar	50 mg/kg	Note 44	6	
14.1.3.3	Concentrates for fruit nectar	50 mg/kg	Notes 44, 122 & 127	Adopted 2005	
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: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
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SUNSET YELLOW FCF

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)	300 mg/kg		6	
01.6.1	Unripened cheese	GMP	Note 3	6	
01.6.2.2	Rind of ripened cheese	100 mg/kg		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)	300 mg/kg		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		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		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	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	

SUNSET YELLOW FCF

Function: Colour

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

SUNSET YELLOW FCF

Function: Colour

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

TALC

Function: Anticaking Agent

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
06.1	Whole, broken, or flaked grain, including rice	GMP		7	
12.1.1	Salt	20000 mg/kg		7	
12.1.2	Salt Substitutes	10000 mg/kg	Note 51	7	

TARA GUM

Tara Gum

INS: 417

Function: Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1	Milk and buttermilk (plain)	GMP		7	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		7	
01.2.2	Renneted milk (plain)	GMP		7	
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP		7	
04.1.1.3	Peeled or cut fresh fruit	GMP		7	
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		7	
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		7	
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		7	
06.1	Whole, broken, or flaked grain, including rice	GMP		7	
06.4.2	Dried pastas and noodles and like products	GMP		7	
08.1	Fresh meat, poultry, and game	GMP		7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 73	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 73	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
10.2.1	Liquid egg products	GMP		7	
10.2.2	Frozen egg products	GMP		7	
11.1.2	Powdered sugar, powdered dextrose	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
13.1.1	Infant formulae	1000 mg/kg		7	

TARA GUM

Function: Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
13.1.2	Follow-up formulae	1000 mg/kg		7	
13.2	Complementary foods for infants and young children	GMP		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	
14.2.3	Grape wines	GMP		7	

TARTRATES

Tartaric Acid (L(+)-)	INS: 334	Monosodium Tartrate	INS: 335i
Disodium Tartrate	INS: 335ii	Monopotassium Tartrate	INS: 336i
Dipotassium Tartrate	INS: 336ii	Potassium Sodium Tartrate	INS: 337

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
01.2.1	Fermented milks (plain)	GMP	Note 45	7	
01.6.1	Unripened cheese	1500 mg/kg	Note 45	4	
01.6.2	Ripened cheese	GMP	Note 45	7	
01.6.3	Whey cheese	GMP	Note 45	7	
01.6.4	Processed cheese	34900 mg/kg	Note 45	7	
01.6.5	Cheese analogues	GMP	Note 45	7	
01.6.6	Whey protein cheese	GMP	Note 45	7	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	2000 mg/kg	Note 45	7	
02.1	Fats and oils essentially free from water	5000 mg/kg	Note 45	4	
02.2.1.1	Butter and concentrated butter	GMP	Note 45	7	
02.2.1.2	Margarine and similar products	100 mg/kg	Note 45	7	
02.2.1.3	Blends of butter and margarine	GMP	Note 45	7	
02.2.2	Emulsions containing less than 80% fat	GMP	Note 45	7	
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	GMP	Note 45	7	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	GMP	Note 45	7	
03.0	Edible ices, including sherbet and sorbet	2000 mg/kg	Note 45	7	
04.1.2.1	Frozen fruit	GMP	Note 45	7	
04.1.2.2	Dried fruit	GMP	Note 45	7	
04.1.2.3	Fruit in vinegar, oil, or brine	GMP	Note 45	7	
04.1.2.4	Canned or bottled (pasteurized) fruit	1300 mg/kg	Note 45	7	
04.1.2.5	Jams, jellies, marmelades	3000 mg/kg	Note 45	7	
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	3000 mg/kg	Note 45	7	
04.1.2.7	Candied fruit	GMP	Note 45	7	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	GMP	Note 45	7	

TARTRATES

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
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	20000 mg/kg	Note 45	4	
04.1.2.10	Fermented fruit products	GMP	Note 45	7	
04.1.2.11	Fruit fillings for pastries	10000 mg/kg	Note 45	7	
04.1.2.12	Cooked fruit	GMP	Note 45	7	
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/kg	Note 45	7	
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/kg	Note 45	7	
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	Note 45	7	
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 45	7	
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 45	4	
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	5000 mg/kg	Note 45	7	
05.1.2	Cocoa mixes (syrops)	2000 mg/kg	Note 45	7	
05.1.3	Cocoa-based spreads, including fillings	5000 mg/kg	Note 45	4	
05.1.4	Cocoa and chocolate products	10000 mg/kg	Note 45	7	
05.1.5	Imitation chocolate, chocolate substitute products	10000 mg/kg	Note 45	7	
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	7	
05.3	Chewing gum	30000 mg/kg	Note 45	7	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	8000 mg/kg	Note 45	7	
06.2	Flours and starches (including soybean powder)	6000 mg/kg	Note 45	4	
06.4.1	Fresh pastas and noodles and like products	GMP	Note 45	7	
06.4.3	Pre-cooked pastas and noodles and like products	1000 mg/kg	Note 45	4	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	2860 mg/kg	Note 45	7	
07.0	Bakery wares	10000 mg/kg	Note 45	7	
08.0	Meat and meat products, including poultry and game	GMP	Note 45	7	
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 45	4	
10.4	Egg-based desserts (e.g., custard)	2000 mg/kg	Note 45	7	
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	GMP	Note 45	7	
12.2.2	Seasonings and condiments	7500 mg/kg	Note 45	7	
12.4	Mustards	5000 mg/kg	Note 45	7	
12.5	Soups and broths	5000 mg/kg	Note 45	7	
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	2860 mg/kg	Note 45	7	

TARTRATES

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
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	5000 mg/kg	Note 45	7	
12.6.3	Mixes for sauces and gravies	GMP	Note 45	7	
12.6.4	Clear sauces (e.g., fish sauce)	200 mg/kg	Note 45	4	
13.1.3	Formulae for special medical purposes for infants	5000 mg/kg	Note 45	4	
13.2	Complementary foods for infants and young children	5000 mg/kg	Note 45	7	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	GMP	Note 45	4	
13.4	Dietetic formulae for slimming purposes and weight reduction	GMP	Note 45	4	
13.6	Food supplements	GMP	Note 45	4	
14.1.2.1	Fruit juice	4000 mg/kg	Notes 45, 128 & 129	Adopted	2005
14.1.2.2	Vegetable juice	4000 mg/kg	Note 45	7	
14.1.2.3	Concentrates for fruit juice	4000 mg/kg	Notes 45, 127, 128 & 129	Adopted	2005
14.1.2.4	Concentrates for vegetable juice	4000 mg/kg	Note 45	7	
14.1.3.1	Fruit nectar	4000 mg/kg	Notes 45 & 128	Adopted	2005
14.1.3.2	Vegetable nectar	1600 mg/kg	Note 45	7	
14.1.3.3	Concentrates for fruit nectar	4000 mg/kg	Notes 45, 127 & 128	Adopted	2005
14.1.3.4	Concentrates for vegetable nectar	1600 mg/kg	Note 45	7	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	5000 mg/kg	Note 45	7	
14.2.1	Beer and malt beverages	2000 mg/kg	Note 45	7	
14.2.2	Cider and perry	2000 mg/kg	Note 45	7	
14.2.3.1	Still grape wine	9000 mg/kg	Note 45	7	
14.2.3.2	Sparkling and semi-sparkling grape wines	4000 mg/kg	Note 45	4	
14.2.3.3	Fortified grape wine, grape liquor wine, and sweet grape wine	4000 mg/kg	Note 45	4	
14.2.4	Wines (other than grape)	GMP	Note 45	7	
14.2.5	Mead	GMP	Note 45	7	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	3000 mg/kg	Note 45	7	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	3000 mg/kg	Note 45	7	
15.0	Ready-to-eat savouries	2000 mg/kg	Note 45	4	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	600 mg/kg	Notes 2 & 45	7	

TARTRAZINE

Tartrazine

INS: 102

Function: Colour

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

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)	300 mg/kg		7	
01.3.2	Beverage whiteners	300 mg/kg		7	
01.6.1	Unripened cheese	300 mg/kg	Note 3	4	
01.6.2.2	Rind of ripened cheese	100 mg/kg		7	
01.6.3	Whey cheese	300 mg/kg	Note 3	4	
01.6.4	Processed cheese	200 mg/kg		7	
01.6.5	Cheese analogues	300 mg/kg	Note 3	4	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	300 mg/kg		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	300 mg/kg		4	
02.2.1.1	Butter and concentrated butter	300 mg/kg		7	
02.2.1.2	Margarine and similar products	300 mg/kg		4	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	300 mg/kg		7	
03.0	Edible ices, including sherbet and sorbet	300 mg/kg		7	
04.1.1.2	Surface-treated fresh fruit	500 mg/kg	Note 16	7	
04.1.2.2	Dried fruit	200 mg/kg		7	
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg		7	
04.1.2.5	Jams, jellies, marmelades	500 mg/kg		7	
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/kg		7	
04.1.2.7	Candied fruit	300 mg/kg		7	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	500 mg/kg		7	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	300 mg/kg		7	
04.1.2.11	Fruit fillings for pastries	300 mg/kg		7	
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	7	
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		7	
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		7	
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		7	
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		7	
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		4	
05.1	Cocoa products and chocolate products including imitations and chocolate substitutes	300 mg/kg		7	

TARTRAZINE

Function: Colour

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	300 mg/kg		7	
05.3	Chewing gum	300 mg/kg		7	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500 mg/kg		7	
06.3	Breakfast cereals, including rolled oats	300 mg/kg		7	
06.4.2	Dried pastas and noodles and like products	300 mg/kg		7	
06.4.3	Pre-cooked pastas and noodles and like products	300 mg/kg		7	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	300 mg/kg		7	
07.0	Bakery wares	300 mg/kg		7	
08.0	Meat and meat products, including poultry and game	500 mg/kg	Note 16	7	
09.1.1	Fresh fish	300 mg/kg	Note 50	7	
09.1.2	Fresh mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	7	
09.2.4.1	Cooked fish and fish products	500 mg/kg		7	
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	250 mg/kg		7	
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 16	7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	Note 22	7	
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	500 mg/kg	Note 16	7	
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	500 mg/kg	Note 16	7	
09.3.3	Salmon substitutes, caviar, and other fish roe products	500 mg/kg		7	
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		7	
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg		7	
10.1	Fresh eggs	500 mg/kg	Note 4	4	
10.4	Egg-based desserts (e.g., custard)	300 mg/kg		7	
11.3	Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3	300 mg/kg		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	300 mg/kg		7	
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	300 mg/kg		7	
12.2.1	Herbs and spices	300 mg/kg		7	
12.2.2	Seasonings and condiments	500 mg/kg		7	
12.4	Mustards	300 mg/kg		7	
12.5	Soups and broths	300 mg/kg		7	
12.6	Sauces and like products	500 mg/kg		7	

TARTRAZINE

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
12.9.5	Other protein products	100 mg/kg		7	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	50 mg/kg		7	
13.4	Dietetic formulae for slimming purposes and weight reduction	50 mg/kg		7	
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		7	
13.6	Food supplements	300 mg/kg		7	
14.1.2.2	Vegetable juice	500 mg/kg		4	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	300 mg/kg		7	
14.2.1	Beer and malt beverages	500 mg/kg		4	
14.2.2	Cider and perry	200 mg/kg		7	
14.2.4	Wines (other than grape)	200 mg/kg		7	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	300 mg/kg		7	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	200 mg/kg		7	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	300 mg/kg		7	
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	100 mg/kg		7	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	500 mg/kg		7	

TBHQ

Tertiary Butylhydroquinone

INS: 319

Function: Antioxidant

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.3.1	Condensed milk (plain)	100 mg/kg	Notes 15, 88 & 130	6	
01.3.1	Condensed milk (plain)	200 mg/kg	Notes 15 & 130	3	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	200 mg/kg	Notes 15 & 130	6	
02.0	Fats and oils, and fat emulsions	200 mg/kg	Notes 15 & 130	6	
02.1	Fats and oils essentially free from water	200 mg/kg	Notes 15 & 130	Adopted 2005	
02.2.1.2	Margarine and similar products	200 mg/kg	Notes 15 & 130	Adopted 2005	
02.2.1.3	Blends of butter and margarine	200 mg/kg	Notes 15 & 130	Adopted 2005	
02.2.2	Emulsions containing less than 80% fat	200 mg/kg	Notes 15 & 130	Adopted 2005	
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	200 mg/kg	Notes 15 & 130	Adopted 2005	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	200 mg/kg	Notes 15 & 130	Adopted 2005	
03.0	Edible ices, including sherbet and sorbet	200 mg/kg	Notes 15 & 130	6	

TBHQ

Function: Antioxidant

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
04.1.2.2	Dried fruit	200 mg/kg	Notes 15 & 130	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	Notes 15 & 130	6	
05.1.4	Cocoa and chocolate products	500 mg/kg	Notes 15 & 130	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	Notes 15 & 130	6	
05.3	Chewing gum	750 mg/kg	Note 130	6	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	200 mg/kg	Notes 15 & 130	6	
06.4.3	Pre-cooked pastas and noodles and like products	200 mg/kg	Notes 15 & 130	3	
07.1.1	Breads and rolls	200 mg/kg	Notes 15 & 130	6	
07.1.2	Crackers, excluding sweet crackers	200 mg/kg	Notes 15 & 130	6	
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	200 mg/kg	Notes 15 & 130	6	
07.1.4	Bread-type products, including bread stuffing and bread crumbs	200 mg/kg	Notes 15 & 130	6	
08.2	Processed meat, poultry, and game products in whole pieces or cuts	100 mg/kg	Notes 15 & 130	6	
08.3	Processed comminuted meat, poultry, and game products	100 mg/kg	Notes 15 & 130	6	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg	Notes 15 & 130	6	
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	200 mg/kg	Notes 15 & 130		Adopted 2005
12.4	Mustards	200 mg/kg	Notes 15 & 130	6	
12.5	Soups and broths	200 mg/kg	Notes 15 & 130	6	
12.5.2	Mixes for soups and broths	200 mg/kg	Notes 15 & 130		Adopted 2005
12.6	Sauces and like products	200 mg/kg	Notes 15 & 130		Adopted 2005
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	1000 mg/kg	Notes 15 & 130	6	
15.0	Ready-to-eat savouries	200 mg/kg	Notes 15 & 130		Adopted 2005

THAUMATIN

Thaumatococcus

INS: 957

Function: Flavour 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)	GMP		4	
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		4	

THAUMATIN

Function: Flavour Enhancer, Sweetener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	500 mg/kg		7	
12.1.2	Salt Substitutes	400 mg/kg	Note 51	7	
13.2	Complementary foods for infants and young children	GMP		4	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		4	

THIODIPROPIONATES

Thiodipropionic Acid

INS: 388

Dilauryl Thiodipropionate

INS: 389

Function: Antioxidant

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
02.1	Fats and oils essentially free from water	200 mg/kg	Note 46	Adopted	1999
02.2.1.2	Margarine and similar products	200 mg/kg	Note 46	Adopted	1999
02.2.2	Emulsions containing less than 80% fat	200 mg/kg	Note 46	Adopted	1999
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	Notes 15 & 46	Adopted	1999
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	1000 mg/kg	Notes 15 & 46	Adopted	1999
15.0	Ready-to-eat savouries	200 mg/kg	Note 46	Adopted	1999

TITANIUM DIOXIDE

Titanium Dioxide

INS: 171

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.2.2	Renneted milk (plain)	GMP		7	
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	7	
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	7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	1000 mg/kg	Note 94	7	
09.1.1	Fresh fish	GMP	Note 50	7	
09.1.2	Fresh mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 95	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.4.1	Cooked fish and fish products	GMP		7	

TITANIUM DIOXIDE

Function: Colour

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	GMP		7	
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 22	7	
10.1	Fresh eggs	GMP	Note 4	7	
14.2.3.2	Sparkling and semi-sparkling grape wines	GMP		7	

TOCOPHEROLS

Mixed Tocopherols Concentrate

INS: 306

Alpha-Tocopherol

INS: 307

Function: Antioxidant

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1	Milk and dairy-based drinks	200 mg/kg		7	
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	200 mg/kg		7	
01.3	Condensed milk and analogues (plain)	200 mg/kg		7	
01.4	Cream (plain) and the like	200 mg/kg		7	
01.5.1	Milk powder and cream powder (plain)	5000 mg/kg		7	
01.5.2	Milk and cream powder analogues	200 mg/kg		7	
01.6	Cheese and analogues	200 mg/kg		7	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	500 mg/kg		7	
01.8	Whey and whey products, excluding whey cheeses	200 mg/kg		7	
02.1.1	Butter oil, anhydrous milkfat, ghee	500 mg/kg		7	
02.1.2	Vegetable oils and fats	300 mg/kg		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	300 mg/kg		7	
02.2.1.1	Butter and concentrated butter	150 mg/kg		4	
02.2.1.2	Margarine and similar products	500 mg/kg		7	
02.2.1.3	Blends of butter and margarine	GMP		7	
02.2.2	Emulsions containing less than 80% fat	500 mg/kg		7	
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	200 mg/kg		7	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	200 mg/kg		7	
03.0	Edible ices, including sherbet and sorbet	500 mg/kg	Note 15	7	
04.1.2.2	Dried fruit	200 mg/kg		7	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	150 mg/kg		7	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	150 mg/kg		7	
04.1.2.11	Fruit fillings for pastries	150 mg/kg		7	
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		7	

TOCOPHEROLS

Function: Antioxidant

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)	25 mg/kg		7	
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		7	
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	500 mg/kg	Note 15	7	
05.1.2	Cocoa mixes (syrops)	500 mg/kg	Note 15	7	
05.1.3	Cocoa-based spreads, including fillings	500 mg/kg	Note 15	7	
05.1.4	Cocoa and chocolate products	750 mg/kg	Note 15	7	
05.1.5	Imitation chocolate, chocolate substitute products	500 mg/kg	Note 15	7	
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	7	
05.3	Chewing gum	1500 mg/kg		7	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500 mg/kg	Note 15	7	
06.2	Flours and starches (including soybean powder)	600 mg/kg		7	
06.3	Breakfast cereals, including rolled oats	85 mg/kg		7	
06.4.2	Dried pastas and noodles and like products	2000 mg/kg		4	
06.4.3	Pre-cooked pastas and noodles and like products	200 mg/kg		4	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	150 mg/kg		7	
06.6	Batters (e.g., for breading or batters for fish or poultry)	5 mg/kg		7	
07.0	Bakery wares	200 mg/kg		7	
08.1.2	Fresh meat, poultry, and game, comminuted	300 mg/kg	Note 15	7	
08.2	Processed meat, poultry, and game products in whole pieces or cuts	3000 mg/kg		7	
08.3	Processed comminuted meat, poultry, and game products	3000 mg/kg		7	
08.4	Edible casings (e.g., sausage casings)	5000 mg/kg		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 15	7	
10.4	Egg-based desserts (e.g., custard)	150 mg/kg		7	
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	1000 mg/kg		7	
12.4	Mustards	200 mg/kg		7	
12.5	Soups and broths	200 mg/kg		7	
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	600 mg/kg		7	
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	600 mg/kg		7	
12.6.3	Mixes for sauces and gravies	300 mg/kg		7	
12.6.4	Clear sauces (e.g., fish sauce)	300 mg/kg		7	
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		7	
12.8	Yeast and like products	200 mg/kg		7	
13.1.1	Infant formulae	30 mg/kg		7	
13.1.2	Follow-up formulae	30 mg/kg		7	

TOCOPHEROLS

Function: Antioxidant

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
13.1.3	Formulae for special medical purposes for infants	1000 mg/kg		7	
13.2	Complementary foods for infants and young children	1000 mg/kg		7	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	GMP		4	
13.4	Dietetic formulae for slimming purposes and weight reduction	GMP		4	
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	GMP		4	
13.6	Food supplements	150 mg/kg		4	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	1000 mg/kg	Note 15	7	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	150 mg/kg		7	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	200 mg/kg		7	
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	1500 mg/kg		7	

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: Bulking Agent, Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1.2	Buttermilk (plain)	GMP		7	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		7	
01.2.2	Renneted milk (plain)	GMP		7	
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		7	
02.1	Fats and oils essentially free from water	13000 mg/kg		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	7	
04.1.1.3	Peeled or cut fresh fruit	GMP		7	
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	7	

TRAGACANTH GUM

Function: Bulking Agent, Emulsifier, Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	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		7	
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		7	
06.4.1	Fresh pastas and noodles and like products	GMP		4	
06.4.2	Dried pastas and noodles and like products	GMP		7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	
14.2.3	Grape wines	GMP		7	

TRIETHYL CITRATE

Triethyl Citrate

INS: 1505

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

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1.2	Buttermilk (plain)	GMP		7	

TRIPOTASSIUM CITRATE

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

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		7	
01.2.2	Renneted milk (plain)	GMP		7	
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000 mg/kg		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	7	
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	7	
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		7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 61	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
13.1	Infant formulae, follow-up formulae, and formulae for special medical purposes for infants	2000 mg/kg		4	
13.2	Complementary foods for infants and young children	GMP		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	

TRISODIUM CITRATE

Trisodium Citrate

INS: 331iii

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

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1	Milk and buttermilk (plain)	GMP		7	
01.2.1	Fermented milks (plain)	1500 mg/kg	Note 63	7	
01.2.2	Renneted milk (plain)	GMP		7	
01.4.1	Pasteurized cream (plain)	1000 mg/kg		7	

TRISODIUM CITRATE

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

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)	5000 mg/kg		7	
02.1	Fats and oils essentially free from water	GMP		7	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	7	
04.1.1	Fresh fruit	2000 mg/kg		7	
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		7	
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		7	
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		4	
06.2	Flours and starches (including soybean powder)	GMP		4	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	5000 mg/kg		7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 61	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
10.2.1	Liquid egg products	GMP		7	
10.2.2	Frozen egg products	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
13.1	Infant formulae, follow-up formulae, and formulae for special medical purposes for infants	2000 mg/kg		4	
13.1.1	Infant formulae	GMP		6	
13.1.2	Follow-up formulae	GMP		7	
13.2	Complementary foods for infants and young children	5000 mg/kg		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	

XANTHAN GUM

Xanthan Gum

INS: 415

Function: Stabilizer, Thickener

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

Function: Stabilizer, Thickener

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
01.1.1.1	Milk (plain)	GMP		7	
01.1.1.2	Buttermilk (plain)	3000 mg/kg		7	
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	GMP		4	
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation	GMP		7	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	5000 mg/kg		7	
01.4.1	Pasteurized cream (plain)	GMP		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	5000 mg/kg		7	
02.1	Fats and oils essentially free from water	10000 mg/kg		4	
02.2.1.1	Butter and concentrated butter	5000 mg/kg	Note 52	7	
04.1.1.2	Surface-treated fresh fruit	GMP		7	
04.1.1.3	Peeled or cut fresh fruit	GMP		7	
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		7	
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		7	
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		7	
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		4	
06.4.1	Fresh pastas and noodles and like products	10000 mg/kg		4	
06.4.2	Dried pastas and noodles and like products	10000 mg/kg		4	
08.1	Fresh meat, poultry, and game	GMP		7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	160 mg/kg		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Notes 41 & 61	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
10.2.1	Liquid egg products	GMP		7	
10.2.2	Frozen egg products	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	5000 mg/kg		7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
13.1.1	Infant formulae	GMP		7	
13.1.2	Follow-up formulae	GMP		7	
13.1.3	Formulae for special medical purposes for infants	1200 mg/kg		4	
13.2	Complementary foods for infants and young children	20000 mg/kg		7	

XANTHAN GUM

Function: Stabilizer, 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	GMP		7	
14.2.3	Grape wines	GMP		7	

XYLITOL

Xylitol

INS: 967

Function: Bulking Agent, Emulsifier, Humectant, 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)	30000 mg/kg		7	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		7	
01.2.2	Renneted milk (plain)	GMP		7	
01.4.1	Pasteurized cream (plain)	30000 mg/kg		4	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	30000 mg/kg		4	
02.2.1.1	Butter and concentrated butter	GMP	Note 52	4	
04.1.1.2	Surface-treated fresh fruit	GMP	Note 16	7	
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	7	
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		4	
06.4.2	Dried pastas and noodles and like products	GMP		7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	Note 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.4.1	Cooked fish and fish products	GMP		7	
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	GMP		7	
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	Note 16	7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	Note 51	7	
13.1.1	Infant formulae	GMP		7	
13.1.2	Follow-up formulae	GMP		7	

XYLITOL

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

Food Cat. No.	Food Category	Max Level	Comments	Step	Year
13.1.3	Formulae for special medical purposes for infants	20000 mg/kg		4	
13.2	Complementary foods for infants and young children	GMP		7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	30000 mg/kg		4	

Notes to the Comments for the Revised General Standard for Food Additives (38th 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.
Note 5:	Used in raw materials for manufacture of the finished food.
Note 6:	As aluminium.
Note 7:	Use level not in finished food.
Note 8:	As bixin.
Note 9:	As total bixin or norbixin.
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.
Note 19:	Used in cocoa fat; use level on ready-to-eat basis.
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: $[(33000 \text{ U/kg bw}) \times (0.025 \text{ µg/U}) \times (1 \text{ mg}/1000 \text{ µg})] = 0.825 \text{ mg/kg bw}$
Note 29:	Reporting basis not specified.
Note 30:	As residual NO ₃ ion.
Note 31:	Of the mash used.
Note 32:	As residual NO ₂ 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 SO ₂ .
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:	For use in cocktail cherries and candied cherries only.
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 CO ₂ 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/dm ² surface application to a maximum depth of 5 mm.
Note 81:	Equivalent to 1 mg/dm ² 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:	L(+)-form 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:	On a dried weight basis of the high intensity sweetener.
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 $25 \text{ lbs}/1000 \text{ gal} \times (0.45 \text{ kg}/\text{lb}) \times (1 \text{ gal}/3.75 \text{ L}) \times (1 \text{ L}/\text{kg}) \times (106 \text{ mg}/\text{kg}) = 3000 \text{ mg}/\text{kg}$
- Note 110: For use in frozen French fried potatoes only.
- Note 111: Excluding dried glucose syrup used in the manufacture of sugar confectionery at 150 mg/kg and glucose syrup used in the manufacture of sugar confectionery at 400 mg/kg.
- 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.
- Note 120: Except for use in caviar at 2500 mg/kg.
- 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.
- Note 130: Singly or in combination: Butylated Hydroxyanisole (BHA, INS 320), Butylated Hydroxytoluene (BHT, INS 321), Tertiary Butylated Hydroquinone (TBHQ, INS 319), and Propyl Gallate (INS 310).