

ACESULFAME POTASSIUM

Function: flavour enhancer, sweetener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	350 mg/kg	161	Adopted	2007
04.1.2.10	Fermented fruit products	350 mg/kg	161	Adopted	2007
04.1.2.11	Fruit fillings for pastries	350 mg/kg	161	Adopted	2007
04.1.2.12	Cooked fruit	500 mg/kg	161	Adopted	2008
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 soybean sauce	200 mg/kg	144	Adopted	2007
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	161	Adopted	2008
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	2008
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	161	Adopted	2007
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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	1000 mg/kg		Adopted	2008
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	350 mg/kg	97	Adopted	2007
05.1.2	Cocoa mixes (syrups)	350 mg/kg	97 & 161	Adopted	2007
05.1.3	Cocoa-based spreads, including fillings	1000 mg/kg	161	Adopted	2007
05.1.4	Cocoa and chocolate products	500 mg/kg	161	Adopted	2007
05.1.5	Imitation chocolate, chocolate substitute products	500 mg/kg	161	Adopted	2007
05.2.1	Hard candy	500 mg/kg	156 & 161	Adopted	2007
05.2.2	Soft candy	1000 mg/kg	157 & 161	Adopted	2007
05.2.3	Nougats and marzipans	1000 mg/kg	161	Adopted	2007
05.3	Chewing gum	5000 mg/kg	161	Adopted	2007
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500 mg/kg	161	Adopted	2007
06.3	Breakfast cereals, including rolled oats	1200 mg/kg	161	Adopted	2007
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	350 mg/kg	161	Adopted	2007
07.1	Bread and ordinary bakery wares	1000 mg/kg	161	Adopted	2008
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	1000 mg/kg	165	Adopted	2007
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	144	Adopted	2008
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	144	Adopted	2007
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	144	Adopted	2007

ACESULFAME POTASSIUM

Function: flavour enhancer, sweetener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
10.4	Egg-based desserts (e.g., custard)	350 mg/kg	161	Adopted	2007
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	1000 mg/kg	159	Adopted	2007
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	GMP		Adopted	2007
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	2000 mg/kg	161	Adopted	2008
12.3	Vinegars	2000 mg/kg	161	Adopted	2008
12.4	Mustards	350 mg/kg		Adopted	2007
12.5	Soups and broths	110 mg/kg	161	Adopted	2007
12.6	Sauces and like products	1000 mg/kg		Adopted	2007
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	350 mg/kg	161	Adopted	2007
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	500 mg/kg		Adopted	2007
13.4	Dietetic formulae for slimming purposes and weight reduction	450 mg/kg		Adopted	2007
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	450 mg/kg		Adopted	2007
13.6	Food supplements	2000 mg/kg		Adopted	2007
14.1.3.1	Fruit nectar	350 mg/kg		Adopted	2005
14.1.3.2	Vegetable nectar	350 mg/kg	161	Adopted	2008
14.1.3.3	Concentrates for fruit nectar	350 mg/kg	127	Adopted	2005
14.1.3.4	Concentrates for vegetable nectar	350 mg/kg	127 & 161	Adopted	2007
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	600 mg/kg	161	Adopted	2007
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	600 mg/kg	160 & 161	Adopted	2007
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	350 mg/kg		Adopted	2007
15.0	Ready-to-eat savouries	350 mg/kg		Adopted	2007
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

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.2.1	Fermented milks (plain)	GMP		7	
01.6.6	Whey protein cheese	GMP		Adopted	2006
02.1.2	Vegetable oils and fats	5000 mg/kg		7	

ACETIC ACID, GLACIAL

Function: acidity regulator, preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
02.1.3	Lard, tallow, fish oil, and other animal fats	5000 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	
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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	51	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		4	

ACETIC AND FATTY ACID ESTERS OF GLYCEROL

Acetic and fatty acid esters of glycerol INS: 472a

Function: emulsifier, sequestrant, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		7	
04.1.1.2	Surface-treated fresh fruit	GMP	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	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	16	7	

ACETIC AND FATTY ACID ESTERS OF GLYCEROL

Function: emulsifier, sequestrant, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	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	16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	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	5000 mg/kg		7	
12.2.1	Herbs and spices	5000 mg/kg	51	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	

ACETYLATED DISTARCH ADIPATE

Acetylated distarch adipate

INS: 1422

Function: bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	41	7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000 mg/kg		7	
13.1.2	Follow-up formulae	5000 mg/kg	72 & 150	7	
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

Acetylated distarch phosphate

INS: 1414

Function: bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		7	
04.1.1.2	Surface-treated fresh fruit	GMP	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	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	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	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	41	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	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	51	7	
13.1.1	Infant formulae	5000 mg/kg	72 & 150	7	
13.1.2	Follow-up formulae	5000 mg/kg	72 & 150	7	
13.1.3	Formulae for special medical purposes for infants	5000 mg/kg	72 & 150	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

Function: bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
-----------	--------------	----------	-------	------	------

ACETYLATED OXIDIZED STARCH

Acetylated oxidized starch INS: 1451

Function: binder, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
13.2	Complementary foods for infants and young children	5000 mg/kg	72	4	

ACID TREATED STARCH

Acid treated starch INS: 1401

Function: bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	41	7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000 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	

ADIPATES

Adipic acid INS: 355 Sodium adipates INS: 356

Potassium adipates INS: 357 Ammonium adipates INS: 359

Function: acidity regulator, firming agent, raising agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.2.1	Fermented milks (plain)	1500 mg/kg	1	4	
01.3.2	Beverage whiteners	4500 mg/kg	1	7	
01.6.4	Processed cheese	5000 mg/kg	1	7	
01.6.5	Cheese analogues	5000 mg/kg	1	7	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	6000 mg/kg	1	7	
02.1.2	Vegetable oils and fats	3000 mg/kg	1	7	
02.1.3	Lard, tallow, fish oil, and other animal fats	3000 mg/kg	1	7	

ADIPATES

Function: acidity regulator, firming agent, raising agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	30000 mg/kg	1	7	
03.0	Edible ices, including sherbet and sorbet	2000 mg/kg	1	7	
04.1.2.5	Jams, jellies, marmelades	2000 mg/kg	1	7	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	30000 mg/kg	1	7	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	30000 mg/kg	1	7	
04.1.2.11	Fruit fillings for pastries	30000 mg/kg	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 soybean sauce	50000 mg/kg	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	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	50000 mg/kg	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	1	7	
05.1.3	Cocoa-based spreads, including fillings	2000 mg/kg	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	1	7	
05.3	Chewing gum	20000 mg/kg	1	7	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	30000 mg/kg	1	7	
06.4.2	Dried pastas and noodles and like products	1000 mg/kg	1	7	
06.4.3	Pre-cooked pastas and noodles and like products	1000 mg/kg	1	7	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	30000 mg/kg	1	7	
06.6	Batters (e.g., for breading or batters for fish or poultry)	1000 mg/kg	1	7	
07.0	Bakery wares	2000 mg/kg	1	7	
08.2	Processed meat, poultry, and game products in whole pieces or cuts	3000 mg/kg	1	7	
08.3	Processed comminuted meat, poultry, and game products	3000 mg/kg	1	7	
10.4	Egg-based desserts (e.g., custard)	30000 mg/kg	1	7	
12.2.2	Seasonings and condiments	50000 mg/kg	1	7	
12.5	Soups and broths	20 mg/kg	1	7	
12.6	Sauces and like products	10000 mg/kg	1	7	
14.1.4.1	Carbonated water-based flavoured drinks	790 mg/kg	1	7	

ADIPATES

Function: acidity regulator, firming agent, raising agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
14.1.4.2	Non-carbonated water-based flavoured drinks, including punches and ades	2000 mg/kg	1	7	
14.1.4.3	Concentrates (liquid or solid) for water-based flavoured drinks	10000 mg/kg	1	7	
14.2.1	Beer and malt beverages	2000 mg/kg	1	4	
14.2.1	Beer and malt beverages	GMP	1	7	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	13000 mg/kg	1	7	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	1000 mg/kg	1 & 2	7	

AGAR

Agar INS: 406

Function: bulking agent, emulsifier, filler, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		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	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	

AGAR

Function: bulking agent, emulsifier, filler, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	51	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

Alginic acid

INS: 400

Function: bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	

ALGINIC ACID

Function: bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
12.2.1	Herbs and spices	GMP	51	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

FoodCatNo	FoodCategory	MaxLevel	Notes	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	161	Adopted	2007
01.4.4	Cream analogues	100 mg/kg		3	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	100 mg/kg	161	Adopted	2007
03.0	Edible ices, including sherbet and sorbet	100 mg/kg	161	Adopted	2007
04.1.2.5	Jams, jellies, marmelades	100 mg/kg	161	Adopted	2007
05.1.2	Cocoa mixes (syrups)	300 mg/kg	161	Adopted	2007
05.1.3	Cocoa-based spreads, including fillings	300 mg/kg	161	Adopted	2007
05.1.4	Cocoa and chocolate products	300 mg/kg	161	Adopted	2007
05.1.5	Imitation chocolate, chocolate substitute products	300 mg/kg	161	Adopted	2007
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	300 mg/kg	161	Adopted	2007
05.3	Chewing gum	300 mg/kg	161	Adopted	2007
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	300 mg/kg	161	Adopted	2007
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	200 mg/kg	159	Adopted	2007
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	GMP		Adopted	2007
12.5	Soups and broths	40 mg/kg	161	Adopted	2007
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	2007
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	40 mg/kg	161	Adopted	2007

ALKALINE TREATED STARCH

Alkaline treated starch INS: 1402

Function: bulking agent, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
-----------	--------------	----------	-------	------	------

ALKALINE TREATED STARCH

Function: bulking agent, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	GMP		4	
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	41	7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000 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	

ALLURA RED AC

Allura red AC

INS: 129

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	52	6	
01.6.1	Unripened cheese	200 mg/kg	3	3	
01.6.2.2	Rind of ripened cheese	100 mg/kg		6	
01.6.4	Processed cheese	200 mg/kg		6	
01.6.5	Cheese analogues	300 mg/kg	3	3	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	300 mg/kg		6	
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	GMP		6	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	300 mg/kg		6	
03.0	Edible ices, including sherbet and sorbet	300 mg/kg		6	
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg		6	
04.1.2.5	Jams, jellies, marmelades	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	182	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	
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean 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	

ALLURA RED AC

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	92	6	
05.1.3	Cocoa-based spreads, including fillings	300 mg/kg		6	
05.1.4	Cocoa and chocolate products	300 mg/kg	183	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	
06.2	Flours and starches (including soybean powder)	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	
07.1.2	Crackers, excluding sweet crackers	300 mg/kg		6	
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	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	
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	25 mg/kg		6	
08.4	Edible casings (e.g., sausage casings)	500 mg/kg	16	6	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	95	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	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	22	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	
10.1	Fresh eggs	100 mg/kg	4	3	
10.4	Egg-based desserts (e.g., custard)	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	

ALLURA RED AC

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
12.6	Sauces and like products	500 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	
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	
14.2.2	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 FROM ASPERGILLUS ORYZAE VAR.

alpha-Amylase from Aspergillus oryzae var. INS: 1100

Function: adjuvant, enzyme, flour treatment agent

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7	
13.2	Complementary foods for infants and young children	GMP		7	

ALPHA-AMYLASE FROM BACILLUS LICHENIFORMIS (CARBOHYDRASE)alpha-Amylase from Bacillus licheniformis INS: 1100
(Carbohydrase)

ALPHA-AMYLASE FROM BACILLUS LICHENIFORMIS (CARBOHYDRASE)

Function: enzyme, flour treatment agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
06.2.2	Starches	GMP		4	

ALPHA-AMYLASE FROM BACILLUS SUBTILIS

alpha-Amylase from Bacillus subtilis INS: 1100

Function: enzyme, flour treatment agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
06.2.2	Starches	GMP		4	

ALUMINIUM AMMONIUM SULFATE

Aluminium ammonium sulfate INS: 523

Function: firming agent, raising agent, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	350 mg/kg	6	3	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	150 mg/kg	6	3	
04.1.2.7	Candied fruit	200 mg/kg	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 soybean sauce	500 mg/kg	6	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 soybean sauce	35 mg/kg	6	Adopted	2003
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	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	500 mg/kg	6	3	
06.2	Flours and starches (including soybean powder)	500 mg/kg	6	3	
06.2.2	Starches	GMP	6 & 26	6	
06.4.1	Fresh pastas and noodles and like products	470 mg/kg	6	3	
07.1.2	Crackers, excluding sweet crackers	10000 mg/kg	29	3	
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	10000 mg/kg	29	3	
07.1.4	Bread-type products, including bread stuffing and bread crumbs	10000 mg/kg	29	3	
07.1.5	Steamed breads and buns	10000 mg/kg	29	3	

ALUMINIUM AMMONIUM SULFATE

Function: firming agent, raising agent, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
07.1.6	Mixes for bread and ordinary bakery wares	10000 mg/kg	6	3	
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	10000 mg/kg	29	3	
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	5 mg/kg	6	3	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	1500 mg/kg	6	3	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	6		Adopted 2001
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	1500 mg/kg	6	3	
10.2	Egg products	30 mg/kg	6		Adopted 2001
10.4	Egg-based desserts (e.g., custard)	380 mg/kg	6		Adopted 2003
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	500 mg/kg	6	3	
14.1.4.1	Carbonated water-based flavoured drinks	40 mg/kg	6	3	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	500 mg/kg	6	3	

ALUMINIUM SILICATE

Aluminium silicate

INS: 559

Function: adjuvant, anticaking agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.5	Milk powder and cream powder and powder analogues (plain)	10000 mg/kg	6 & 174	3	
01.6.1	Unripened cheese	10000 mg/kg	6	3	
01.6.2.1	Ripened cheese, includes rind	10000 mg/kg	6, 174 & 177	3	
01.6.2.3	Cheese powder (for reconstitution; e.g., for cheese sauces)	10000 mg/kg	6 & 174	3	
01.6.4	Processed cheese	10000 mg/kg	6, 174 & 177	3	
01.6.5	Cheese analogues	10000 mg/kg	6, 174 & 177	3	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	10000 mg/kg	6 & 174	3	
01.8.2	Dried whey and whey products, excluding whey cheeses	10000 mg/kg	6 & 174	3	
01.8.2	Dried whey and whey products, excluding whey cheeses	10000 mg/kg			Adopted 2006
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP	3, 6 & 174	3	
05.3	Chewing gum	GMP	3, 6 & 174	3	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP	3, 6 & 174	3	
06.1	Whole, broken, or flaked grain, including rice	GMP		6	
07.1.6	Mixes for bread and ordinary bakery wares	10000 mg/kg	6 & 174	3	
07.2.3	Mixes for fine bakery wares (e.g., cakes, pancakes)	10000 mg/kg	6 & 174	3	

ALUMINIUM SILICATE

Function: adjuvant, anticaking agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
08.3	Processed comminuted meat, poultry, and game products	GMP	6, 174 & 179	3	
08.4	Edible casings (e.g., sausage casings)	GMP	3, 6 & 174	3	
12.1.1	Salt	10000 mg/kg	6	3	
12.1.2	Salt Substitutes	10000 mg/kg		6	
12.2.1	Herbs and spices	GMP	51	3	
12.2.2	Seasonings and condiments	30000 mg/kg	6 & 174	3	
12.5.2	Mixes for soups and broths	10000 mg/kg	6 & 174	3	
12.6.3	Mixes for sauces and gravies	10000 mg/kg	6 & 174	3	
13.6	Food supplements	GMP	6 & 174	3	
14.1.4.3	Concentrates (liquid or solid) for water-based flavoured drinks	10000 mg/kg	6 & 174	3	

AMARANTH

Amaranth

INS: 123

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	52	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	
02.4	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	182	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 soybean 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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	300 mg/kg		4	
05.1.3	Cocoa-based spreads, including fillings	100 mg/kg		7	

AMARANTH

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	153	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	
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	22	7	
09.3.3	Salmon substitutes, caviar, and other fish roe products	300 mg/kg	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	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	
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

Ammonium alginate

INS: 403

Function: emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
02.1.2	Vegetable oils and fats	5000 mg/kg		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	5000 mg/kg		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	
13.2	Complementary foods for infants and young children	5000 mg/kg		7	

AMMONIUM CARBONATE

Ammonium carbonate

INS: 503(i)

Function: acidity regulator, raising agent, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	41	7	
13.2	Complementary foods for infants and young children	GMP		7	

AMMONIUM CHLORIDE

Ammonium chloride

INS: 510

Function: flour treatment agent

FoodCatNo	FoodCategory	MaxLevel	Notes	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	

AMMONIUM CHLORIDE

Function: flour treatment agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
12.1.2	Salt Substitutes	GMP		4	
12.2.1	Herbs and spices	GMP	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: 503(ii)

Function: acidity regulator, raising agent, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
13.2	Complementary foods for infants and young children	GMP		7	

AMMONIUM HYDROXIDE

Ammonium hydroxide INS: 527

Function: acidity regulator

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		4	

AMMONIUM SALTS OF PHOSPHATIDIC ACID

Ammonium salts of phosphatidic acid INS: 442

Function: emulsifier, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	GMP		6	
01.4	Cream (plain) and the like	GMP		6	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	5000 mg/kg		6	
03.0	Edible ices, including sherbet and sorbet	7500 mg/kg		6	
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce	GMP		6	
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	10000 mg/kg	97	6	
05.1.4	Cocoa and chocolate products	10000 mg/kg		6	
05.1.5	Imitation chocolate, chocolate substitute products	10000 mg/kg		6	
07.1.1	Breads and rolls	GMP		6	

ANNATTO EXTRACTS, BIXIN-BASED

ANNATTO EXTRACTS, BIXIN-BASED

Annatto extracts, bixin-based

INS: 160b(i)

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	8 & 52	3	
01.3.2	Beverage whiteners	50 mg/kg	8	3	
01.4.4	Cream analogues	100 mg/kg	8	3	
01.5.2	Milk and cream powder analogues	100 mg/kg	8	3	
01.6.2.2	Rind of ripened cheese	1000 mg/kg	8	3	
01.6.2.3	Cheese powder (for reconstitution; e.g., for cheese sauces)	50 mg/kg	8	3	
01.6.3	Whey cheese	50 mg/kg	8	3	
01.6.4.1	Plain processed cheese	60 mg/kg	8	3	
01.6.4.2	Flavoured processed cheese, including containing fruit, vegetables, meat, etc.	60 mg/kg	8	3	
01.6.5	Cheese analogues	50 mg/kg	8	3	
01.6.6	Whey protein cheese	50 mg/kg	8	3	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	500 mg/kg	8	3	
01.8.1	Liquid whey and whey products, excluding whey cheeses	20 mg/kg	8	3	
01.8.2	Dried whey and whey products, excluding whey cheeses	20 mg/kg	8	3	
02.1.1	Butter oil, anhydrous milkfat, ghee	100 mg/kg	8	3	
02.2.1	Butter	20 mg/kg	8	Adopted 2008	
02.2.2	Fat spreads, dairy fat spreads and blended spreads	20 mg/kg	8	3	
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	10 mg/kg	8	3	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	30 mg/kg	8	3	
03.0	Edible ices, including sherbet and sorbet	20 mg/kg	8	3	
04.1.2.3	Fruit in vinegar, oil, or brine	20 mg/kg	8	3	
04.1.2.5	Jams, jellies, marmelades	20 mg/kg	8	3	
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	20 mg/kg	8	3	
04.1.2.7	Candied fruit	20 mg/kg	8	3	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	100 mg/kg	8 & 182	3	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	30 mg/kg	8	3	
04.1.2.11	Fruit fillings for pastries	50 mg/kg	8	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 soybean sauce	20 mg/kg	8	3	

ANNATTO EXTRACTS, BIXIN-BASED

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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)	100 mg/kg	8	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	20 mg/kg	8 & 92	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	20 mg/kg	8	3	
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	8	3	
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	50 mg/kg	8	3	
05.1.2	Cocoa mixes (syrups)	50 mg/kg	8	3	
05.1.3	Cocoa-based spreads, including fillings	50 mg/kg	8	3	
05.1.4	Cocoa and chocolate products	25 mg/kg	8 & 183	3	
05.1.5	Imitation chocolate, chocolate substitute products	25 mg/kg	8	3	
05.2.1	Hard candy	200 mg/kg	8	3	
05.2.2	Soft candy	200 mg/kg	8	3	
05.2.3	Nougats and marzipans	100 mg/kg	8	3	
05.3	Chewing gum	500 mg/kg	8	3	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	50 mg/kg	8	3	
06.3	Breakfast cereals, including rolled oats	75 mg/kg	8	3	
06.4.2	Dried pastas and noodles and like products	20 mg/kg	8	3	
06.4.3	Pre-cooked pastas and noodles and like products	20 mg/kg	8 & 153	3	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	30 mg/kg	8	3	
06.6	Batters (e.g., for breading or batters for fish or poultry)	100 mg/kg	8	3	
07.1.2	Crackers, excluding sweet crackers	200 mg/kg	8	3	
07.1.4	Bread-type products, including bread stuffing and bread crumbs	200 mg/kg	8	3	
07.1.5	Steamed breads and buns	200 mg/kg	8	3	
07.1.6	Mixes for bread and ordinary bakery wares	200 mg/kg	8	3	
07.2.1	Cakes, cookies and pies (e.g., fruit-filled or custard types)	50 mg/kg	8	3	
07.2.2	Other fine bakery products (e.g., doughnuts, sweet rolls, scones, and muffins)	50 mg/kg	8	3	
07.2.3	Mixes for fine bakery wares (e.g., cakes, pancakes)	25 mg/kg	8	3	
08.1.2	Fresh meat, poultry, and game, comminuted	20 mg/kg	4, 8, 16 & 94	3	

ANNATTO EXTRACTS, BIXIN-BASED

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
08.2.2	Heat-treated processed meat, poultry, and game products in whole pieces or cuts	100 mg/kg	8	3	
08.3.1.1	Cured (including salted) non-heat treated processed comminuted meat, poultry, and game products	20 mg/kg	8	3	
08.3.1.2	Cured (including salted) and dried non-heat treated processed comminuted meat, poultry, and game products	100 mg/kg	8	3	
08.3.1.3	Fermented non-heat treated processed comminuted meat, poultry, and game products	100 mg/kg	8	3	
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	50 mg/kg	8	3	
08.3.3	Frozen processed comminuted meat, poultry, and game products	25 mg/kg	8	3	
08.4	Edible casings (e.g., sausage casings)	1000 mg/kg	8 & 85	3	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	25 mg/kg	4, 8 & 16	3	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	25 mg/kg	8	3	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	50 mg/kg	8	3	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	50 mg/kg	8	3	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	50 mg/kg	8	3	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	15 mg/kg	8	3	
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	25 mg/kg	8	3	
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	25 mg/kg	8	3	
09.3.3	Salmon substitutes, caviar, and other fish roe products	50 mg/kg	8	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	30 mg/kg	8	3	
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	25 mg/kg	8	3	
10.4	Egg-based desserts (e.g., custard)	25 mg/kg	8	3	
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	50 mg/kg	8	3	
12.4	Mustards	50 mg/kg	8	3	
12.5	Soups and broths	50 mg/kg	8	3	
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	100 mg/kg	8	3	
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	100 mg/kg	8	3	
12.6.3	Mixes for sauces and gravies	100 mg/kg	8	3	
12.6.4	Clear sauces (e.g., fish sauce)	400 mg/kg	8	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	50 mg/kg	8	3	

ANNATTO EXTRACTS, BIXIN-BASED

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	20 mg/kg	8	3	
13.4	Dietetic formulae for slimming purposes and weight reduction	20 mg/kg	8	3	
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	20 mg/kg	8	3	
13.6	Food supplements	60 mg/kg	8	3	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	50 mg/kg	8	3	
14.2.3.3	Fortified grape wine, grape liquor wine, and sweet grape wine	20 mg/kg	8	3	
14.2.4	Wines (other than grape)	20 mg/kg	8	3	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	30 mg/kg	8	3	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	30 mg/kg	8	3	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	50 mg/kg	8	3	
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	30 mg/kg	8	3	
15.3	Snacks - fish based	20 mg/kg	8	3	

ANNATTO EXTRACTS, NORBIXIN-BASED

Annatto extracts, norbixin-based

INS: 160b(ii)

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	52 & 185	3	
01.4.4	Cream analogues	300 mg/kg	185	3	
01.5.2	Milk and cream powder analogues	55 mg/kg	185	3	
01.6.1	Unripened cheese	25 mg/kg	185	3	
01.6.2.1	Ripened cheese, includes rind	25 mg/kg	185	3	
01.6.2.2	Rind of ripened cheese	50 mg/kg	185	3	
01.6.2.3	Cheese powder (for reconstitution; e.g., for cheese sauces)	50 mg/kg	185	3	
01.6.3	Whey cheese	10 mg/kg	185	3	
01.6.4	Processed cheese	25 mg/kg	185	3	
01.6.6	Whey protein cheese	10 mg/kg	185	3	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	20 mg/kg	185	3	
01.8.1	Liquid whey and whey products, excluding whey cheeses	20 mg/kg	185	3	
01.8.2	Dried whey and whey products, excluding whey cheeses	20 mg/kg	185	3	

ANNATTO EXTRACTS, NORBIXIN-BASED

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	10 mg/kg	185	3	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	10 mg/kg	185	3	
03.0	Edible ices, including sherbet and sorbet	200 mg/kg	185	3	
04.1.1.2	Surface-treated fresh fruit	20 mg/kg	4, 16 & 185	3	
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg	185	3	
04.1.2.5	Jams, jellies, marmelades	20 mg/kg	185	3	
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	20 mg/kg	185	3	
04.1.2.7	Candied fruit	20 mg/kg	185	3	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	20 mg/kg	172, 182 & 185	3	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	150 mg/kg	175 & 185	3	
04.1.2.10	Fermented fruit products	200 mg/kg	185	3	
04.1.2.11	Fruit fillings for pastries	200 mg/kg	185	3	
04.1.2.12	Cooked fruit	20 mg/kg	185	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 soybean sauce	300 mg/kg	185	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	10 mg/kg	185	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)	100 mg/kg	185	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	10 mg/kg	92 & 185	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	200 mg/kg	185	3	
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	185	3	
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	50 mg/kg	185	3	
05.1.2	Cocoa mixes (syrups)	50 mg/kg	185	3	
05.1.3	Cocoa-based spreads, including fillings	50 mg/kg	185	3	
05.1.5	Imitation chocolate, chocolate substitute products	25 mg/kg	185	3	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	200 mg/kg	185	3	
05.3	Chewing gum	500 mg/kg	185	3	

ANNATTO EXTRACTS, NORBIXIN-BASED

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	1000 mg/kg	185	3	
06.1	Whole, broken, or flaked grain, including rice	500 mg/kg	184 & 185	3	
06.3	Breakfast cereals, including rolled oats	75 mg/kg	185	3	
06.4.2	Dried pastas and noodles and like products	100 mg/kg	185	3	
06.4.3	Pre-cooked pastas and noodles and like products	100 mg/kg	153 & 185	3	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	40 mg/kg	134 & 185	3	
06.6	Batters (e.g., for breading or batters for fish or poultry)	100 mg/kg	185	3	
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	500 mg/kg	185	3	
07.1.1	Breads and rolls	200 mg/kg	185	3	
07.1.2	Crackers, excluding sweet crackers	200 mg/kg	185	3	
07.1.4	Bread-type products, including bread stuffing and bread crumbs	200 mg/kg	185	3	
07.1.5	Steamed breads and buns	200 mg/kg	185	3	
07.1.6	Mixes for bread and ordinary bakery wares	200 mg/kg	185	3	
07.2.1	Cakes, cookies and pies (e.g., fruit-filled or custard types)	50 mg/kg	185	3	
07.2.2	Other fine bakery products (e.g., doughnuts, sweet rolls, scones, and muffins)	50 mg/kg	185	3	
07.2.3	Mixes for fine bakery wares (e.g., cakes, pancakes)	25 mg/kg	185	3	
08.1.2	Fresh meat, poultry, and game, comminuted	1000 mg/kg	4, 16, 94 & 185	3	
08.2.2	Heat-treated processed meat, poultry, and game products in whole pieces or cuts	100 mg/kg	185	3	
08.3.1.1	Cured (including salted) non-heat treated processed comminuted meat, poultry, and game products	1000 mg/kg	185	3	
08.3.1.2	Cured (including salted) and dried non-heat treated processed comminuted meat, poultry, and game products	100 mg/kg	185	3	
08.3.1.3	Fermented non-heat treated processed comminuted meat, poultry, and game products	100 mg/kg	185	3	
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	50 mg/kg	185	3	
08.3.3	Frozen processed comminuted meat, poultry, and game products	20 mg/kg	185	3	
08.4	Edible casings (e.g., sausage casings)	20 mg/kg	85 & 185	3	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg	185	3	
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	100 mg/kg	185	3	
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	100 mg/kg	185	3	
09.3.3	Salmon substitutes, caviar, and other fish roe products	50 mg/kg	149 & 185	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	30 mg/kg	185	3	

ANNATTO EXTRACTS, NORBIXIN-BASED

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	10 mg/kg	185	3	
10.4	Egg-based desserts (e.g., custard)	25 mg/kg	185	3	
11.3	Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3	100 mg/kg	185	3	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	60 mg/kg	185	3	
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	50 mg/kg	185	3	
12.4	Mustards	140 mg/kg	185	3	
12.5	Soups and broths	150 mg/kg	185	3	
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	100 mg/kg	185	3	
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	100 mg/kg	185	3	
12.6.3	Mixes for sauces and gravies	100 mg/kg	185	3	
12.6.4	Clear sauces (e.g., fish sauce)	400 mg/kg	185	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	50 mg/kg	185	3	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	10 mg/kg	185	3	
13.4	Dietetic formulae for slimming purposes and weight reduction	10 mg/kg	185	3	
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	10 mg/kg	185	3	
13.6	Food supplements	100 mg/kg	185	3	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	50 mg/kg	185	3	
14.2.2	Cider and perry	10 mg/kg	185	3	
14.2.3.1	Still grape wine	10 mg/kg	185	3	
14.2.3.2	Sparkling and semi-sparkling grape wines	10 mg/kg	185	3	
14.2.3.3	Fortified grape wine, grape liquor wine, and sweet grape wine	15 mg/kg	185	3	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	10 mg/kg	185	3	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	10 mg/kg	185	3	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	50 mg/kg	185	3	
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	30 mg/kg	185	3	
15.3	Snacks - fish based	20 mg/kg	185	3	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	200 mg/kg	185	3	

ASCORBIC ACID, L-

ASCORBIC ACID, L-

Ascorbic acid, L-

INS: 300

Function: antioxidant, colour retention agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
02.1.2	Vegetable oils and fats	200 mg/kg		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	200 mg/kg		7	
04.1.1	Fresh fruit	500 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	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	51	4	
13.1.2	Follow-up formulae	50 mg/kg	72	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	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	127		Adopted 2005

ASCORBIC ACID, L-

Function: antioxidant, colour retention agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.3.2	Beverage whiteners	80 mg/kg	10	Adopted	2001
01.5.1	Milk powder and cream powder (plain)	500 mg/kg	10	Adopted	2001
01.5.2	Milk and cream powder analogues	80 mg/kg	10	Adopted	2001
01.6.1	Unripened cheese	500 mg/kg	10	3	
01.6.2.1	Ripened cheese, includes rind	500 mg/kg	10 & 112	Adopted	2001
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	500 mg/kg	2 & 10	Adopted	2001
02.1.1	Butter oil, anhydrous milkfat, ghee	500 mg/kg	10 & 171	Adopted	2006
02.1.2	Vegetable oils and fats	500 mg/kg	10	Adopted	2006
02.1.3	Lard, tallow, fish oil, and other animal fats	500 mg/kg	10	Adopted	2006
02.2.2	Fat spreads, dairy fat spreads and blended spreads	500 mg/kg	10	Adopted	2006
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	500 mg/kg	10	Adopted	2001
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	80 mg/kg	10	Adopted	2001
03.0	Edible ices, including sherbet and sorbet	200 mg/kg	10 & 15	Adopted	2001
04.1.2.2	Dried fruit	80 mg/kg	10	Adopted	2001
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	500 mg/kg	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	10	Adopted	2001
05.0	Confectionery	500 mg/kg	10, 15 & 114	Adopted	2001
06.3	Breakfast cereals, including rolled oats	200 mg/kg	10	Adopted	2001
06.4.3	Pre-cooked pastas and noodles and like products	500 mg/kg	10	3	
06.4.3	Pre-cooked pastas and noodles and like products	20 mg/kg	10	Adopted	2003
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	500 mg/kg	2 & 10	Adopted	2001
07.0	Bakery wares	1000 mg/kg	10 & 15	Adopted	2003
08.4	Edible casings (e.g., sausage casings)	5000 mg/kg	10	Adopted	2001

ASCORBYL ESTERS

Function: antioxidant

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg	10	Adopted	2001
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg	10	Adopted	2001
10.4	Egg-based desserts (e.g., custard)	500 mg/kg	2 & 10	Adopted	2001
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	200 mg/kg	10	Adopted	2003
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	500 mg/kg	10	Adopted	2001
12.4	Mustards	500 mg/kg	10	Adopted	2003
12.5	Soups and broths	200 mg/kg	10	Adopted	2001
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	500 mg/kg	10 & 15	Adopted	2001
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	500 mg/kg	10	Adopted	2005
12.6.3	Mixes for sauces and gravies	200 mg/kg	10	Adopted	2001
12.6.4	Clear sauces (e.g., fish sauce)	200 mg/kg	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	10	Adopted	2001
13.1.1	Infant formulae	10 mg/kg	10, 15 & 72	6	
13.1.2	Follow-up formulae	50 mg/kg	10 & 72	6	
13.1.3	Formulae for special medical purposes for infants	10 mg/kg	10, 15 & 72	Adopted	2006
13.2	Complementary foods for infants and young children	100 mg/kg	10	Adopted	2001
13.4	Dietetic formulae for slimming purposes and weight reduction	500 mg/kg	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	10	3	
13.6	Food supplements	500 mg/kg	10	Adopted	2003
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	1000 mg/kg	10 & 15	Adopted	2001
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	200 mg/kg	10	Adopted	2001
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	200 mg/kg	10	Adopted	2001

ASPARTAME

Aspartame

INS: 951

Function: flavour enhancer, sweetener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	161	Adopted	2007
01.3.2	Beverage whiteners	6000 mg/kg	161	Adopted	2008

ASPARTAME

Function: flavour enhancer, sweetener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.4.4	Cream analogues	1000 mg/kg	161	Adopted	2008
01.5.2	Milk and cream powder analogues	2000 mg/kg	161	Adopted	2007
01.6.1	Unripened cheese	1000 mg/kg	161	Adopted	2008
01.6.5	Cheese analogues	1000 mg/kg	161	Adopted	2008
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	1000 mg/kg	161	Adopted	2007
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	1000 mg/kg	161	Adopted	2008
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	1000 mg/kg	161	Adopted	2007
03.0	Edible ices, including sherbet and sorbet	1000 mg/kg	161	Adopted	2007
04.1.2.1	Frozen fruit	2000 mg/kg	161	Adopted	2008
04.1.2.2	Dried fruit	2000 mg/kg	161	Adopted	2008
04.1.2.3	Fruit in vinegar, oil, or brine	300 mg/kg	144	Adopted	2007
04.1.2.4	Canned or bottled (pasteurized) fruit	1000 mg/kg	161	Adopted	2007
04.1.2.5	Jams, jellies, marmelades	1000 mg/kg	161	Adopted	2007
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	1000 mg/kg	161	Adopted	2007
04.1.2.7	Candied fruit	2000 mg/kg	161	Adopted	2007
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	1000 mg/kg	161	Adopted	2007
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	1000 mg/kg	161	Adopted	2007
04.1.2.10	Fermented fruit products	1000 mg/kg	161	Adopted	2007
04.1.2.11	Fruit fillings for pastries	1000 mg/kg	161	Adopted	2007
04.1.2.12	Cooked fruit	1000 mg/kg	161	Adopted	2007
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	161	Adopted	2008
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	161	Adopted	2008
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 soybean sauce	300 mg/kg	144	Adopted	2007
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	161	Adopted	2008
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	161	Adopted	2008
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	161	Adopted	2008

ASPARTAME

Function: flavour enhancer, sweetener

FoodCatNo	FoodCategory	MaxLevel	Notes	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	2500 mg/kg	161	Adopted	2008
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	161	Adopted	2008
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	3000 mg/kg	97	Adopted	2007
05.1.2	Cocoa mixes (syrups)	1000 mg/kg	161	Adopted	2007
05.1.3	Cocoa-based spreads, including fillings	3000 mg/kg	161	Adopted	2008
05.1.4	Cocoa and chocolate products	3000 mg/kg	161	Adopted	2008
05.1.5	Imitation chocolate, chocolate substitute products	3000 mg/kg	161	Adopted	2008
05.2.1	Hard candy	3000 mg/kg	161 & 148	Adopted	2008
05.2.2	Soft candy	3000 mg/kg	161 & 148	Adopted	2008
05.2.3	Nougats and marzipans	3000 mg/kg	161	Adopted	2008
05.3	Chewing gum	10000 mg/kg	161	Adopted	2007
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	1000 mg/kg	161	Adopted	2007
06.3	Breakfast cereals, including rolled oats	1000 mg/kg	161	Adopted	2007
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	1000 mg/kg	161	Adopted	2007
07.1	Bread and ordinary bakery wares	4000 mg/kg	161	Adopted	2008
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	1700 mg/kg	165	Adopted	2007
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	144	Adopted	2007
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	144	Adopted	2007
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	144	Adopted	2007
10.4	Egg-based desserts (e.g., custard)	1000 mg/kg	161	Adopted	2007
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	3000 mg/kg	159	Adopted	2007
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	GMP		Adopted	2007
12.2.2	Seasonings and condiments	2000 mg/kg	161	Adopted	2008
12.3	Vinegars	3000 mg/kg	161	Adopted	2008
12.4	Mustards	350 mg/kg		Adopted	2007
12.5	Soups and broths	600 mg/kg	161	6	
12.6	Sauces and like products	350 mg/kg		Adopted	2007
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	350 mg/kg	161 & 166	Adopted	2007

ASPARTAME

Function: flavour enhancer, sweetener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	1000 mg/kg		Adopted	2007
13.4	Dietetic formulae for slimming purposes and weight reduction	800 mg/kg		Adopted	2007
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		Adopted	2007
13.6	Food supplements	5500 mg/kg		Adopted	2007
14.1.3.1	Fruit nectar	600 mg/kg		Adopted	2005
14.1.3.2	Vegetable nectar	600 mg/kg	161	Adopted	2007
14.1.3.3	Concentrates for fruit nectar	600 mg/kg	127	Adopted	2005
14.1.3.4	Concentrates for vegetable nectar	600 mg/kg	127 & 161	Adopted	2007
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	600 mg/kg	161	Adopted	2007
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	600 mg/kg	160 & 161	Adopted	2007
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	600 mg/kg		Adopted	2007
15.0	Ready-to-eat savouries	500 mg/kg		Adopted	2008

ASPARTAME-ACESULFAME SALT

Aspartame-acesulfame salt

INS: 962

Function: sweetener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	790 mg/kg	113 & 145	3	
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	1130 mg/kg	113	3	
01.3.2	Beverage whiteners	4540 mg/kg	113	3	
01.4.4	Cream analogues	1550 mg/kg	119	3	
01.5.2	Milk and cream powder analogues	3100 mg/kg	119	3	
01.6.5	Cheese analogues	790 mg/kg	113	3	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	1130 mg/kg	113 & 145	3	
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	1550 mg/kg	119	3	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	1130 mg/kg	113 & 145	3	
03.0	Edible ices, including sherbet and sorbet	1550 mg/kg	119 & 145	3	
04.1.2.1	Frozen fruit	1130 mg/kg	113	3	
04.1.2.2	Dried fruit	1130 mg/kg	113	3	
04.1.2.3	Fruit in vinegar, oil, or brine	450 mg/kg	113 & 144	3	

ASPARTAME-ACESULFAME SALT

Function: sweetener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
04.1.2.4	Canned or bottled (pasteurized) fruit	790 mg/kg	113 & 145	3	
04.1.2.5	Jams, jellies, marmelades	1000 mg/kg	119 & 138	3	
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	2270 mg/kg	113 & 138	3	
04.1.2.7	Candied fruit	1130 mg/kg	113	3	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	790 mg/kg	113 & 138	3	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	790 mg/kg	113 & 145	3	
04.1.2.10	Fermented fruit products	790 mg/kg	113	3	
04.1.2.11	Fruit fillings for pastries	790 mg/kg	113	3	
04.1.2.12	Cooked fruit	1130 mg/kg	113	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 soybean sauce	460 mg/kg	119 & 144	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	790 mg/kg	113	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)	4660 mg/kg	119	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	790 mg/kg	113 & 145	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	2270 mg/kg	113	3	
05.1.2	Cocoa mixes (syrups)	1130 mg/kg	113	3	
05.1.3	Cocoa-based spreads, including fillings	4540 mg/kg	113 & 145	3	
05.1.4	Cocoa and chocolate products	2270 mg/kg	113 & 145	3	
05.1.5	Imitation chocolate, chocolate substitute products	2270 mg/kg	113 & 145	3	
05.3	Chewing gum	4540 mg/kg	68 & 113	3	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	1130 mg/kg	113	3	
06.3	Breakfast cereals, including rolled oats	1550 mg/kg	119 & 145	3	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	790 mg/kg	113 & 145	3	
07.1	Bread and ordinary bakery wares	2270 mg/kg	113	3	
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	2270 mg/kg	77 & 113	3	
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	450 mg/kg	113	3	
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	450 mg/kg	113	3	

ASPARTAME-ACESULFAME SALT

Function: sweetener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
10.4	Egg-based desserts (e.g., custard)	790 mg/kg	113 & 145	3	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	2270 mg/kg	113	3	
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	GMP	113	3	
12.2.2	Seasonings and condiments	3100 mg/kg	113	3	
12.3	Vinegars	4540 mg/kg	113	3	
12.4	Mustards	540 mg/kg	119	3	
12.5	Soups and broths	250 mg/kg	113 & 138	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	1550 mg/kg	113 & 145	3	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	1020 mg/kg	113	3	
13.4	Dietetic formulae for slimming purposes and weight reduction	1020 mg/kg	113	3	
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	1130 mg/kg	113	3	
13.6	Food supplements	2000 mg/kg	113	3	
14.1.2.2	Vegetable juice	1360 mg/kg	113	3	
14.1.2.4	Concentrates for vegetable juice	3100 mg/kg	113	3	
14.1.3.4	Concentrates for vegetable nectar	3100 mg/kg	113	3	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	930 mg/kg	119 & 145	3	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	1360 mg/kg	113	3	
14.2.1	Beer and malt beverages	790 mg/kg	113 & 138	3	
14.2.2	Cider and perry	790 mg/kg	113	3	
14.2.4	Wines (other than grape)	1080 mg/kg	113	3	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	930 mg/kg	119	3	
15.0	Ready-to-eat savouries	770 mg/kg	113 & 144	3	

AZODICARBONAMIDE

Azodicarbonamide

INS: 927a

Function: adjuvant, flour treatment agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
06.2.1	Flours	45 mg/kg		Adopted	1999

AZORUBINE (CARMOISINE)

AZORUBINE (CARMOISINE)

Azorubine (Carmoisine)

INS: 122

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	52	7	
01.6.1	Unripened cheese	GMP	3	7	
01.6.2.2	Rind of ripened cheese	GMP		7	
01.6.4	Processed cheese	200 mg/kg		7	
01.6.5	Cheese analogues	GMP	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	4 & 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	182	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	4 & 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 soybean 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	92	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	

AZORUBINE (CARMOISINE)

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	16	7	
09.1.1	Fresh fish	300 mg/kg	4, 16 & 50	7	
09.1.2	Fresh mollusks, crustaceans, and echinoderms	500 mg/kg	4 & 16	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	95	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	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	16	7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	22	7	
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	500 mg/kg	16	7	
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	500 mg/kg	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	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	
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	

AZORUBINE (CARMOISINE)

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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)	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

Beeswax

INS: 901

Function: bulking agent, clouding agent, glazing agent, release agent, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	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	79	Adopted	2003
05.1.4	Cocoa and chocolate products	GMP	3	Adopted	2001
05.1.5	Imitation chocolate, chocolate substitute products	GMP	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	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	3	Adopted	2001
13.6	Food supplements	GMP	3	Adopted	2001
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	200 mg/kg	131	Adopted	2006
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	108	Adopted	2001
15.0	Ready-to-eat savouries	GMP	3	Adopted	2001

BEET RED

Beet red

INS: 162

BEET RED

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		7	
04.1.1.2	Surface-treated fresh fruit	GMP	4 & 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	4 & 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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	GMP		4	
06.1	Whole, broken, or flaked grain, including rice	GMP	184	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	4 & 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP	4, 16 & 117	7	
09.1.1	Fresh fish	GMP	4, 16 & 50	7	
09.1.2	Fresh mollusks, crustaceans, and echinoderms	GMP	4 & 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	16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	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	16	7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	22	7	
10.1	Fresh eggs	GMP	4	7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7	
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

BENZOATES

Function: preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	300 mg/kg	13	Adopted	2001
02.2.2	Fat spreads, dairy fat spreads and blended spreads	1000 mg/kg	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	13	Adopted	2001
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	1000 mg/kg	13	Adopted	2001
04.1.2.2	Dried fruit	800 mg/kg	13	Adopted	2003
04.1.2.3	Fruit in vinegar, oil, or brine	1000 mg/kg	13	Adopted	2001
04.1.2.5	Jams, jellies, marmelades	1000 mg/kg	13	Adopted	2001
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	1000 mg/kg	13	Adopted	2001
04.1.2.7	Candied fruit	1000 mg/kg	13	Adopted	2001
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	1000 mg/kg	13	Adopted	2001
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	1000 mg/kg	13	Adopted	2001
04.1.2.10	Fermented fruit products	1000 mg/kg	13	Adopted	2001
04.1.2.11	Fruit fillings for pastries	1000 mg/kg	13	Adopted	2001
04.1.2.12	Cooked fruit	1000 mg/kg	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	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 soybean sauce	2000 mg/kg	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	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	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	1000 mg/kg	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	13	Adopted	2001
05.1.3	Cocoa-based spreads, including fillings	1500 mg/kg	13	Adopted	2003
05.1.5	Imitation chocolate, chocolate substitute products	1500 mg/kg	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	13	Adopted	2003
05.3	Chewing gum	1500 mg/kg	13	Adopted	2005
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	1500 mg/kg	13	Adopted	2003

BENZOATES

Function: preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
06.4.3	Pre-cooked pastas and noodles and like products	1000 mg/kg	13	Adopted	2004
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	1000 mg/kg	13	Adopted	2003
07.0	Bakery wares	1000 mg/kg	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	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	3 & 13	Adopted	2005
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	2000 mg/kg	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	13 & 121	Adopted	2004
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	2000 mg/kg	13 & 120	Adopted	2003
10.2.1	Liquid egg products	5000 mg/kg	13	Adopted	2003
10.4	Egg-based desserts (e.g., custard)	1000 mg/kg	13	Adopted	2003
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	1000 mg/kg	13	Adopted	2003
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	2000 mg/kg	13	Adopted	2003
12.2.2	Seasonings and condiments	1000 mg/kg	13	Adopted	2003
12.3	Vinegars	1000 mg/kg	13	Adopted	2003
12.4	Mustards	1000 mg/kg	13	Adopted	2003
12.5	Soups and broths	500 mg/kg	13	Adopted	2001
12.6	Sauces and like products	1000 mg/kg	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	13	Adopted	2003
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	1500 mg/kg	13	Adopted	2003
13.4	Dietetic formulae for slimming purposes and weight reduction	1500 mg/kg	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	13	Adopted	2003
13.6	Food supplements	2000 mg/kg	13	Adopted	2003
14.1.2.1	Fruit juice	1000 mg/kg	13, 91 & 122	Adopted	2004
14.1.2.3	Concentrates for fruit juice	1000 mg/kg	13, 91, 122 & 127	Adopted	2004
14.1.3.1	Fruit nectar	1000 mg/kg	13, 91 & 122	Adopted	2004
14.1.3.3	Concentrates for fruit nectar	1000 mg/kg	13, 91, 122 & 127	Adopted	2004
14.1.3.4	Concentrates for vegetable nectar	600 mg/kg	13	Adopted	2004
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	600 mg/kg	13, 123 & 301	Adopted	2004
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	1000 mg/kg	13	Adopted	2004

BENZOATES

Function: preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
14.2.2	Cider and perry	1000 mg/kg	13 & 124	Adopted	2004
14.2.4	Wines (other than grape)	1000 mg/kg	13	Adopted	2003
14.2.5	Mead	1000 mg/kg	13	Adopted	2004
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	1000 mg/kg	13	Adopted	2003
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	1000 mg/kg	13	Adopted	2004
16.0	Composite foods - foods that could not be placed in categories 01 - 15	1000 mg/kg	13	Adopted	2004

BENZOYL PEROXIDE

Benzoyl peroxide

INS: 928

Function: bleaching agent (not for flour), flour treatment agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.8.1	Liquid whey and whey products, excluding whey cheeses	100 mg/kg	74	Adopted	2007
01.8.2	Dried whey and whey products, excluding whey cheeses	100 mg/kg	147	Adopted	2005
06.2.1	Flours	75 mg/kg		Adopted	2007

BLEACHED STARCH

Bleached starch

INS: 1403

Function: bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000 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	

BRILLIANT BLACK (BLACK PN)

Brilliant black (Black PN)

INS: 151

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
-----------	--------------	----------	-------	------	------

BRILLIANT BLACK (BLACK PN)

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	52	7	
01.6.1	Unripened cheese	GMP	3	7	
01.6.2.2	Rind of ripened cheese	GMP		7	
01.6.4	Processed cheese	200 mg/kg		7	
01.6.5	Cheese analogues	GMP	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	4 & 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	182	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	4 & 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 soybean 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	92	7	
05.1.4	Cocoa and chocolate products	300 mg/kg	183	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	

BRILLIANT BLACK (BLACK PN)

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
08.0	Meat and meat products, including poultry and game	500 mg/kg	4 & 16	7	
09.1.1	Fresh fish	300 mg/kg	4, 16 & 50	7	
09.1.2	Fresh mollusks, crustaceans, and echinoderms	500 mg/kg	4 & 16	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	95	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	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	16	7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	22	7	
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	500 mg/kg	16	7	
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	500 mg/kg	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	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	
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	

BRILLIANT BLACK (BLACK PN)

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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

FoodCatNo	FoodCategory	MaxLevel	Notes	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	52	Adopted	2008
01.6.1	Unripened cheese	200 mg/kg	3	3	
01.6.2.2	Rind of ripened cheese	100 mg/kg		Adopted	2005
01.6.5	Cheese analogues	200 mg/kg	3	3	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	150 mg/kg		Adopted	2005
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
04.1.2.4	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	182	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
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 soybean 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	

BRILLIANT BLUE FCF

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	92	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	500 mg/kg		3	
05.1.3	Cocoa-based spreads, including fillings	100 mg/kg		6	
05.1.4	Cocoa and chocolate products	100 mg/kg	183	6	
05.1.5	Imitation chocolate, chocolate substitute products	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			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	100 mg/kg	4 & 16	6	
09.1.1	Fresh fish	300 mg/kg	4, 16 & 50		Adopted 2008
09.1.2	Fresh mollusks, crustaceans, and echinoderms	500 mg/kg	4 & 16		Adopted 2005
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	95		Adopted 2005
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	16		Adopted 2005
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	16		Adopted 2005
09.2.4.1	Cooked fish and fish products	100 mg/kg	95	6	
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	100 mg/kg		6	
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	16		Adopted 2005
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg	22	6	
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	500 mg/kg	16		Adopted 2005
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	500 mg/kg	16		Adopted 2005
09.3.3	Salmon substitutes, caviar, and other fish roe products	500 mg/kg			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	GMP	4		Adopted 2005

BRILLIANT BLUE FCF

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	
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
14.2.2	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	2	6	

BROMELAIN

Bromelain INS: 1101(iii)

Function: flavour enhancer, flour treatment agent, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	52	7	

BROWN HT

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.6.1	Unripened cheese	GMP	3	7	
01.6.2.2	Rind of ripened cheese	GMP		7	
01.6.4	Processed cheese	200 mg/kg		7	
01.6.5	Cheese analogues	GMP	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	4 & 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	182	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	4 & 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 soybean 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	92	7	
05.1.4	Cocoa and chocolate products	80 mg/kg	183	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	16	7	
09.1.1	Fresh fish	300 mg/kg	4, 16 & 50	7	

BROWN HT

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
09.1.2	Fresh mollusks, crustaceans, and echinoderms	500 mg/kg	4 & 16	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	95	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	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	16	7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	22	7	
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	500 mg/kg	16	7	
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	500 mg/kg	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	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	
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	

BROWN HT

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	

BUTYLATED HYDROXYANISOLE

Butylated hydroxyanisole

INS: 320

Function: antioxidant

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.3.2	Beverage whiteners	100 mg/kg	15 & 133	Adopted	2007
01.5.1	Milk powder and cream powder (plain)	100 mg/kg	15 & 130	Adopted	2006
02.1.1	Butter oil, anhydrous milkfat, ghee	175 mg/kg	15, 133 & 171	Adopted	2006
02.1.2	Vegetable oils and fats	200 mg/kg	15 & 130	Adopted	2006
02.1.3	Lard, tallow, fish oil, and other animal fats	200 mg/kg	15 & 130	Adopted	2006
02.2.2	Fat spreads, dairy fat spreads and blended spreads	200 mg/kg	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	15 & 130	Adopted	2006
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	200 mg/kg	15 & 130	Adopted	2006
03.0	Edible ices, including sherbet and sorbet	200 mg/kg	15 & 130	Adopted	2006
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	15, 76 & 130	Adopted	2005
05.1.4	Cocoa and chocolate products	200 mg/kg	15, 130 & 141	Adopted	2006
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	200 mg/kg	15 & 130	Adopted	2007
05.3	Chewing gum	400 mg/kg	130	Adopted	2006
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	200 mg/kg	15 & 130	Adopted	2007
06.3	Breakfast cereals, including rolled oats	200 mg/kg	15 & 130	Adopted	2005
06.4.3	Pre-cooked pastas and noodles and like products	200 mg/kg	15 & 130	Adopted	2006
07.0	Bakery wares	200 mg/kg	15 & 130	Adopted	2007
08.2	Processed meat, poultry, and game products in whole pieces or cuts	200 mg/kg	15 & 130	Adopted	2005
08.3	Processed comminuted meat, poultry, and game products	200 mg/kg	15 & 130	Adopted	2005
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	15 & 130	Adopted	2006
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	15 & 130	Adopted	2006
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	15 & 130	Adopted	2006

BUTYLATED HYDROXYANISOLE

Function: antioxidant

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	15 & 130	Adopted	2006
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	15 & 130	Adopted	2006
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	200 mg/kg	15 & 130	Adopted	2005
12.5	Soups and broths	200 mg/kg	15 & 130	Adopted	2006
12.6	Sauces and like products	200 mg/kg	15 & 130	Adopted	2005
12.8	Yeast and like products	200 mg/kg	15 & 130	Adopted	2006
13.6	Food supplements	400 mg/kg	15 & 130	Adopted	2006
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	200 mg/kg	15 & 130	Adopted	2005
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	200 mg/kg	15 & 130	Adopted	2005

BUTYLATED HYDROXYTOLUENE

Butylated hydroxytoluene

INS: 321

Function: adjuvant, antioxidant

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.3.2	Beverage whiteners	100 mg/kg	15	Adopted	2007
01.5.1	Milk powder and cream powder (plain)	200 mg/kg	15 & 130	Adopted	2006
02.1.1	Butter oil, anhydrous milkfat, ghee	75 mg/kg	15, 133 & 171	Adopted	2006
02.1.2	Vegetable oils and fats	200 mg/kg	15 & 130	Adopted	2006
02.1.3	Lard, tallow, fish oil, and other animal fats	200 mg/kg	15 & 130	Adopted	2006
02.2.2	Fat spreads, dairy fat spreads and blended spreads	200 mg/kg	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	15 & 130	Adopted	2006
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	200 mg/kg	15 & 130	Adopted	2006
03.0	Edible ices, including sherbet and sorbet	100 mg/kg	15 & 130	Adopted	2006
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	15, 76 & 130	Adopted	2005
05.1.4	Cocoa and chocolate products	200 mg/kg	15, 130 & 141	Adopted	2006
05.1.5	Imitation chocolate, chocolate substitute products	200 mg/kg	15 & 130	Adopted	2006
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	200 mg/kg	15 & 130	Adopted	2007
05.3	Chewing gum	400 mg/kg	130	Adopted	2006
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	200 mg/kg	15 & 130	Adopted	2007
06.3	Breakfast cereals, including rolled oats	100 mg/kg	15 & 130	Adopted	2006

BUTYLATED HYDROXYTOLUENE

Function: adjuvant, antioxidant

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
06.4.3	Pre-cooked pastas and noodles and like products	200 mg/kg	15 & 130	Adopted	2006
07.0	Bakery wares	200 mg/kg	15 & 130	Adopted	2007
08.2	Processed meat, poultry, and game products in whole pieces or cuts	100 mg/kg	15, 130 & 167	Adopted	2007
08.3	Processed comminuted meat, poultry, and game products	100 mg/kg	15, 130 & 162	Adopted	2007
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	15 & 130	Adopted	2006
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	15 & 130	Adopted	2006
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	15 & 130	Adopted	2006
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	15 & 130	Adopted	2006
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	15 & 130	Adopted	2006
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	200 mg/kg	15 & 130	Adopted	2006
12.5	Soups and broths	100 mg/kg	15 & 130	Adopted	2006
12.6	Sauces and like products	100 mg/kg	15 & 130	Adopted	2006
13.6	Food supplements	400 mg/kg	15 & 130	Adopted	2006
15.0	Ready-to-eat savouries	200 mg/kg	15 & 130	Adopted	2006

CALCIUM 5'-GUANYLATE

Calcium 5'-guanylate INS: 629

Function: flavour enhancer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	51	7	

CALCIUM 5'-INOSINATE

Calcium 5'-inosinate INS: 633

Function: flavour enhancer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	51	7	

CALCIUM 5'-RIBONUCLEOTIDES

CALCIUM 5'-RIBONUCLEOTIDES

Calcium 5'-ribonucleotides INS: 634

Function: flavour enhancer

FoodCatNo	FoodCategory	MaxLevel	Notes	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	51	7	

CALCIUM ACETATE

Calcium acetate INS: 263

Function: acidity regulator, preservative, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
02.1.2	Vegetable oils and fats	5000 mg/kg		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	5000 mg/kg		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	

CALCIUM ALGINATE

Function: antifoaming agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	
13.2	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

Calcium aluminium silicate

INS: 556

Function: anticaking agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.5	Milk powder and cream powder and powder analogues (plain)	10000 mg/kg	6 & 174	3	
01.6.1	Unripened cheese	10000 mg/kg	6 & 174	3	
01.6.2.1	Ripened cheese, includes rind	10000 mg/kg	6, 174 & 177	3	
01.6.2.3	Cheese powder (for reconstitution; e.g., for cheese sauces)	10000 mg/kg	6 & 174	3	
01.6.4	Processed cheese	10000 mg/kg	6, 174 & 177	3	
01.6.5	Cheese analogues	10000 mg/kg	6, 174 & 177	3	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	10000 mg/kg	6 & 174	3	
01.8.2	Dried whey and whey products, excluding whey cheeses	10000 mg/kg	6 & 174	3	
01.8.2	Dried whey and whey products, excluding whey cheeses	10000 mg/kg			Adopted 2006
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP	3, 6 & 174	3	
05.3	Chewing gum	GMP	3, 6 & 174	3	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP	3, 6 & 174	3	
06.1	Whole, broken, or flaked grain, including rice	GMP			6
07.1.6	Mixes for bread and ordinary bakery wares	10000 mg/kg	6 & 174	3	
07.2.3	Mixes for fine bakery wares (e.g., cakes, pancakes)	10000 mg/kg	6 & 174	3	
08.3	Processed comminuted meat, poultry, and game products	GMP	6, 174 & 179	3	
08.4	Edible casings (e.g., sausage casings)	GMP	3, 6 & 174	3	
11.1.2	Powdered sugar, powdered dextrose	15000 mg/kg	6 & 56	3	
11.1.2	Powdered sugar, powdered dextrose	15000 mg/kg	56		Adopted 2006
12.1.1	Salt	20000 mg/kg	6	3	
12.1.1	Salt	GMP			Adopted 2006
12.1.2	Salt Substitutes	10000 mg/kg			6
12.2.2	Seasonings and condiments	30000 mg/kg	6 & 174	3	

CALCIUM ALUMINIUM SILICATE

Function: anticaking agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
12.5.2	Mixes for soups and broths	10000 mg/kg	6 & 174	3	
12.6.3	Mixes for sauces and gravies	10000 mg/kg	6 & 174	3	
13.6	Food supplements	GMP	6 & 174	3	
14.1.4.3	Concentrates (liquid or solid) for water-based flavoured drinks	10000 mg/kg	6 & 174	3	
14.2.3	Grape wines	GMP		6	

CALCIUM ASCORBATE

Calcium ascorbate

INS: 302

Function: antioxidant

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		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	15	7	
13.1.2	Follow-up formulae	50 mg/kg	70 & 72	7	
13.2	Complementary foods for infants and young children	3000 mg/kg		7	
14.1.2.1	Fruit juice	GMP			Adopted 2005
14.1.2.3	Concentrates for fruit juice	GMP	127		Adopted 2005
14.1.3.1	Fruit nectar	GMP			Adopted 2005
14.1.3.3	Concentrates for fruit nectar	GMP	127		Adopted 2005
14.2.3	Grape wines	GMP		7	

CALCIUM CARBONATE

Calcium carbonate

INS: 170(i)

CALCIUM CARBONATE

Function: anticaking agent, acidity regulator, colour, emulsifier, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		4	
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	
01.8.2	Dried whey and whey products, excluding whey cheeses	10000 mg/kg			Adopted 2006
04.1.1.2	Surface-treated fresh fruit	GMP	4 & 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	4 & 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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	10000 mg/kg	58	4	
06.1	Whole, broken, or flaked grain, including rice	2220 mg/kg	184	7	
06.2	Flours and starches (including soybean powder)	10000 mg/kg	58	4	
06.2.1	Flours	GMP	57	7	
06.4.1	Fresh pastas and noodles and like products	10000 mg/kg	58	4	
06.4.2	Dried pastas and noodles and like products	10000 mg/kg	58	4	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	4 & 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	1500 mg/kg	4 & 16	7	
09.1.1	Fresh fish	GMP	4, 16 & 50	7	
09.1.2	Fresh mollusks, crustaceans, and echinoderms	GMP	4 & 16	7	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	10000 mg/kg	58	4	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	95	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	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	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	4	7	
12.1.1	Salt	GMP			Adopted 2006
12.1.2	Salt Substitutes	10000 mg/kg	58	4	
12.2.1	Herbs and spices	10000 mg/kg	51 & 58	4	

CALCIUM CARBONATE

Function: anticaking agent, acidity regulator, colour, emulsifier, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	58 & 160	4	
14.2.3	Grape wines	3500 mg/kg		7	

CALCIUM CHLORIDE

Calcium chloride INS: 509

Function: firming agent, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
01.8.2	Dried whey and whey products, excluding whey cheeses	GMP			Adopted 2006
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	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	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	10000 mg/kg	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	58	4	
12.1.2	Salt Substitutes	10000 mg/kg	58	4	
12.2.1	Herbs and spices	10000 mg/kg	51 & 58	4	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	10000 mg/kg	58	4	

CALCIUM GLUCONATE

Calcium gluconate INS: 578

Function: acidity regulator, firming agent, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	58	7	

CALCIUM GLUCONATE

Function: acidity regulator, firming agent, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	800 mg/kg	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	58	7	

CALCIUM GLUTAMATE (D, L-)

Calcium glutamate (D, L-) INS: 623

Function: flavour enhancer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	51	7	

CALCIUM HYDROXIDE

Calcium hydroxide INS: 526

Function: acidity regulator, firming agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		4	
01.8.2	Dried whey and whey products, excluding whey cheeses	GMP			Adopted 2006
02.2.1	Butter	GMP			Adopted 2008
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	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	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	58	7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP		7	
13.1.1	Infant formulae	2000 mg/kg	55 & 72	7	
13.1.2	Follow-up formulae	GMP	72	7	
13.1.3	Formulae for special medical purposes for infants	2000 mg/kg	55 & 72	4	
13.2	Complementary foods for infants and young children	GMP		7	

CALCIUM LACTATE

Calcium lactate INS: 327

CALCIUM LACTATE

Function: antioxidant, acidity regulator, emulsifier, firming agent, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	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		4	
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	10000 mg/kg	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	58	4	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	10000 mg/kg	58	4	
12.1.2	Salt Substitutes	10000 mg/kg	58	4	
12.2.1	Herbs and spices	10000 mg/kg	51 & 58	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	58	4	

CALCIUM MALATE, (DL-)

Calcium malate, (DL-)

INS: 352(ii)

Function: acidity regulator

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
14.2.3	Grape wines	GMP		7	

CALCIUM OXIDE

Calcium oxide

INS: 529

Function: acidity regulator, flour treatment agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		4	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP		7	

CALCIUM PROPIONATE

Calcium propionate

INS: 282

CALCIUM PROPIONATE

Function: preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.6.6	Whey protein cheese	3000 mg/kg	70	Adopted	2006
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 SILICATE

Calcium silicate INS: 552

Function: anticaking agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.8.2	Dried whey and whey products, excluding whey cheeses	10000 mg/kg		Adopted	2006
11.1.2	Powdered sugar, powdered dextrose	15000 mg/kg	56	Adopted	2006
12.1.1	Salt	GMP		Adopted	2006
12.1.2	Salt Substitutes	10000 mg/kg		7	

CALCIUM SULFATE

Calcium sulfate INS: 516

Function: bulking agent, acidity regulator, firming agent, flour treatment agent, sequestrant, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	
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	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	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	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

CANDELILLA WAX

Function: bulking agent, carrier solvent, clouding agent, glazing agent, release agent

FoodCatNo	FoodCategory	MaxLevel	Notes	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	79	Adopted	2003
05.1.4	Cocoa and chocolate products	GMP	3	Adopted	2001
05.1.5	Imitation chocolate, chocolate substitute products	GMP	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	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	3	Adopted	2001
13.6	Food supplements	GMP	3	Adopted	2001
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	200 mg/kg	131	Adopted	2006
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	108	Adopted	2001
15.0	Ready-to-eat savouries	GMP	3	Adopted	2001

CANTHAXANTHIN

Canthaxanthin INS: 161g

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	GMP	52	6	
01.6.1	Unripened cheese	GMP		6	
01.6.2	Ripened cheese	GMP		6	
01.6.4	Processed cheese	GMP		6	
01.6.5	Cheese analogues	GMP		6	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	GMP		6	
02.2.2	Fat spreads, dairy fat spreads and blended spreads	GMP		6	
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	GMP		6	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	GMP		6	
04.1.2.5	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	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	GMP		6	

CANTHAXANTHIN

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	
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	50 mg/kg		3	
06.3	Breakfast cereals, including rolled oats	35 mg/kg		6	
06.4.2	Dried pastas and noodles and like products	GMP		6	
06.4.3	Pre-cooked pastas and noodles and like products	GMP	153	6	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	GMP		6	
07.0	Bakery wares	GMP		6	
08.3.1.1	Cured (including salted) non-heat treated processed comminuted meat, poultry, and game products	100 mg/kg	118	6	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		6	
09.2.4.1	Cooked fish and fish products	200 mg/kg		6	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	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	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	
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	
14.2.6	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	

CANTHAXANTHIN

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
16.0	Composite foods - foods that could not be placed in categories 01 - 15	GMP	2	6	

CARAMEL I - PLAIN

Caramel I - plain

INS: 150a

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
04.1.1.2	Surface-treated fresh fruit	GMP	4 & 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	4 & 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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	GMP		4	
06.1	Whole, broken, or flaked grain, including rice	GMP	184	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	4 & 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP	4 & 16	7	
09.1.1	Fresh fish	GMP	4, 16 & 50	7	
09.1.2	Fresh mollusks, crustaceans, and echinoderms	GMP	4 & 16	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	95	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	41	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	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	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	4	7	
12.1.2	Salt Substitutes	GMP		4	
12.2.1	Herbs and spices	GMP	51	4	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	160	4	
14.2.3	Grape wines	GMP		7	

CARMEL I - PLAIN

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
-----------	--------------	----------	-------	------	------

CARMEL II - CAUSTIC SULFITE PROCESS

Caramel II - caustic sulfite process

INS: 150b

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	52	4	
01.6.1	Unripened cheese	50000 mg/kg		4	
01.6.2	Ripened cheese	50000 mg/kg		4	
01.6.4	Processed cheese	50000 mg/kg		4	
01.6.5	Cheese analogues	50000 mg/kg		4	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	50000 mg/kg		4	
01.8.1	Liquid whey and whey products, excluding whey cheeses	50000 mg/kg		4	
02.1.2	Vegetable oils and fats	20000 mg/kg		4	
02.1.3	Lard, tallow, fish oil, and other animal fats	20000 mg/kg		4	
02.2.2	Fat spreads, dairy fat spreads and blended spreads	20000 mg/kg		4	
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	20000 mg/kg		4	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	20000 mg/kg		4	
03.0	Edible ices, including sherbet and sorbet	30000 mg/kg		4	
04.1.2	Processed fruit	80000 mg/kg	182	4	
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	92	4	
05.0	Confectionery	50000 mg/kg	183	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	153	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	4 & 16	4	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	30000 mg/kg	4 & 16	4	

CARMEL II - CAUSTIC SULFITE PROCESS

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	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	
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	
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	160	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	

CARMEL III - AMMONIA PROCESS

CARMEL III - AMMONIA PROCESS

Caramel III - ammonia process

INS: 150c

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	52	Adopted	2008
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	50000 mg/kg	52	3	
01.3.2	Beverage whiteners	GMP		Adopted	1999
01.3.2	Beverage whiteners	1000 mg/kg		3	
01.4.3	Clotted cream (plain)	5000 mg/kg		3	
01.4.3	Clotted cream (plain)	GMP		Adopted	1999
01.4.4	Cream analogues	5000 mg/kg		3	
01.4.4	Cream analogues	GMP		Adopted	1999
01.5.2	Milk and cream powder analogues	5000 mg/kg		3	
01.5.2	Milk and cream powder analogues	GMP		Adopted	1999
01.6.1	Unripened cheese	50000 mg/kg		3	
01.6.1	Unripened cheese	GMP		Adopted	1999
01.6.2	Ripened cheese	50000 mg/kg		3	
01.6.2.2	Rind of ripened cheese	GMP		Adopted	1999
01.6.4	Processed cheese	50000 mg/kg		3	
01.6.4	Processed cheese	GMP		Adopted	1999
01.6.5	Cheese analogues	50000 mg/kg		3	
01.6.5	Cheese analogues	GMP		Adopted	1999
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	50000 mg/kg		3	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	2000 mg/kg		Adopted	1999
01.8.1	Liquid whey and whey products, excluding whey cheeses	50000 mg/kg		3	
02.1.2	Vegetable oils and fats	20000 mg/kg		3	
02.1.3	Lard, tallow, fish oil, and other animal fats	20000 mg/kg		3	
02.2.2	Fat spreads, dairy fat spreads and blended spreads	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	20000 mg/kg		3	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	GMP		Adopted	1999
03.0	Edible ices, including sherbet and sorbet	30000 mg/kg		3	

CARMEL III - AMMONIA PROCESS

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
03.0	Edible ices, including sherbet and sorbet	1000 mg/kg		Adopted	1999
04.1.2	Processed fruit	80000 mg/kg	182	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	182	Adopted	2008
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	92	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	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 soybean 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	92	Adopted	2008
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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	183	3	
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	183	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

CARMEL III - AMMONIA PROCESS

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	50000 mg/kg		3	
06.3	Breakfast cereals, including rolled oats	6500 mg/kg		Adopted	1999
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	153	3	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	50000 mg/kg		3	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	GMP		Adopted	1999
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	50000 mg/kg		3	
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	GMP		Adopted	1999
08.0	Meat and meat products, including poultry and game	GMP	3, 4 & 16	Adopted	1999
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	30000 mg/kg	4 & 16	3	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	3, 4, 16 & 50	Adopted	2008
09.1.1	Fresh fish	GMP	3, 4, 16 & 50	6	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	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	50	6	
09.2.4.1	Cooked fish and fish products	GMP	50	6	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	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	50	Adopted	1999
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	30000 mg/kg	95	3	
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	50	Adopted	1999

CARMEL III - AMMONIA PROCESS

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
10.1	Fresh eggs	GMP	4	Adopted	1999
10.1	Fresh eggs	20000 mg/kg	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)	20000 mg/kg		3	
10.4	Egg-based desserts (e.g., custard)	GMP		Adopted	1999
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	100000 mg/kg		3	
12.3	Vinegars	1000 mg/kg		Adopted	1999
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	100000 mg/kg		3	
12.6	Sauces and like products	1500 mg/kg		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	
12.7	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
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	20000 mg/kg		3	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	GMP		Adopted	1999
13.4	Dietetic formulae for slimming purposes and weight reduction	20000 mg/kg		3	
13.4	Dietetic formulae for slimming purposes and weight reduction	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	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	20000 mg/kg		3	
13.6	Food supplements	GMP		Adopted	1999
14.1.3.2	Vegetable nectar	50000 mg/kg		3	
14.1.3.2	Vegetable nectar	GMP		Adopted	1999

CARAMEL III - AMMONIA PROCESS

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
14.1.3.4	Concentrates for vegetable nectar	50000 mg/kg		3	
14.1.3.4	Concentrates for vegetable nectar	GMP		Adopted	1999
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	50000 mg/kg		3	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	GMP		Adopted	1999
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	100000 mg/kg	160	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	10000 mg/kg		3	
15.0	Ready-to-eat savouries	GMP		Adopted	1999
16.0	Composite foods - foods that could not be placed in categories 01 - 15	20000 mg/kg		3	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	1000 mg/kg		Adopted	1999

CARAMEL IV - SULFITE AMMONIA PROCESS

Caramel IV - sulfite ammonia process INS: 150d

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	52	Adopted	2008
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	50000 mg/kg	52	3	
01.2.1	Fermented milks (plain)	150 mg/kg	12	Adopted	1999
01.2.2	Renneted milk (plain)	GMP		Adopted	1999
01.3.2	Beverage whiteners	1000 mg/kg		3	
01.3.2	Beverage whiteners	GMP		Adopted	1999
01.4.4	Cream analogues	5000 mg/kg		3	

CAMEL IV - SULFITE AMMONIA PROCESS

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.4.4	Cream analogues	GMP		Adopted	1999
01.5.2	Milk and cream powder analogues	5000 mg/kg		3	
01.5.2	Milk and cream powder analogues	GMP		Adopted	1999
01.6.1	Unripened cheese	50000 mg/kg		3	
01.6.1	Unripened cheese	GMP		Adopted	1999
01.6.2	Ripened cheese	50000 mg/kg		3	
01.6.2.2	Rind of ripened cheese	GMP		Adopted	1999
01.6.4	Processed cheese	100 mg/kg		Adopted	1999
01.6.4	Processed cheese	50000 mg/kg		3	
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	5 & 72	6	
01.6.5	Cheese analogues	50000 mg/kg		3	
01.6.5	Cheese analogues	GMP		Adopted	1999
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	50000 mg/kg		3	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	2000 mg/kg		Adopted	1999
01.8.1	Liquid whey and whey products, excluding whey cheeses	50000 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	30000 mg/kg		3	
03.0	Edible ices, including sherbet and sorbet	1000 mg/kg		Adopted	1999
04.1.2	Processed fruit	80000 mg/kg	182	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	182	Adopted	2008
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	92	3	

CAMEL IV - SULFITE AMMONIA PROCESS

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	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 soybean 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	92	Adopted	2008
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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	183	3	
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	183	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	50000 mg/kg		3	
06.3	Breakfast cereals, including rolled oats	2500 mg/kg		Adopted	1999
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	153	3	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	50000 mg/kg		3	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	GMP		Adopted	1999
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	

CAMEL IV - SULFITE AMMONIA PROCESS

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	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	200000 mg/kg	4 & 16	3	
08.0	Meat and meat products, including poultry and game	GMP	4 & 16	Adopted	1999
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	30000 mg/kg		3	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	50	Adopted	1999
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	50	6	
09.2.4.1	Cooked fish and fish products	GMP	50	6	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	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	50	Adopted	1999
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	30000 mg/kg		3	
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	50	Adopted	1999
10.1	Fresh eggs	20000 mg/kg	4	3	
10.1	Fresh eggs	GMP	4	Adopted	1999
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	
11.4	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	100000 mg/kg		3	
12.3	Vinegars	GMP		Adopted	1999
12.4	Mustards	100000 mg/kg		3	

CAMEL IV - SULFITE AMMONIA PROCESS

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
12.4	Mustards	GMP		Adopted	1999
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	100000 mg/kg		3	
12.6	Sauces and like products	1500 mg/kg		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	
12.7	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
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	20000 mg/kg		3	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	GMP		Adopted	1999
13.4	Dietetic formulae for slimming purposes and weight reduction	20000 mg/kg		3	
13.4	Dietetic formulae for slimming purposes and weight reduction	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	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	50000 mg/kg		3	
14.1.3.2	Vegetable nectar	GMP		Adopted	1999
14.1.3.4	Concentrates for vegetable nectar	50000 mg/kg		3	
14.1.3.4	Concentrates for vegetable nectar	GMP		Adopted	1999
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	50000 mg/kg		3	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	GMP		Adopted	1999
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	100000 mg/kg	160	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

CARAMEL IV - SULFITE AMMONIA PROCESS

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	10000 mg/kg		3	
15.0	Ready-to-eat savouries	GMP		Adopted	1999
16.0	Composite foods - foods that could not be placed in categories 01 - 15	20000 mg/kg		3	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	1000 mg/kg		Adopted	1999

CARBON DIOXIDE

Carbon dioxide

INS: 290

Function: adjuvant, carbonating agent, packaging gas

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.1.1	Milk and buttermilk (plain)	GMP	59	7	
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	GMP	59	7	
01.4.1	Pasteurized cream (plain)	GMP	59	7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP	59	7	
04.1.1	Fresh fruit	GMP	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	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	59	7	
06.4.1	Fresh pastas and noodles and like products	GMP	59	4	
08.1.2	Fresh meat, poultry, and game, comminuted	100 mg/kg	59	7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	59	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	59	7	
13.1.1	Infant formulae	GMP	59	4	
13.1.3	Formulae for special medical purposes for infants	GMP	59	4	
13.2	Complementary foods for infants and young children	GMP	59	4	
14.1.2.1	Fruit juice	GMP	69	Adopted	2005
14.1.2.3	Concentrates for fruit juice	GMP	69 & 127	Adopted	2005
14.1.3.1	Fruit nectar	GMP	69	Adopted	2005

CARBON DIOXIDE

Function: adjuvant, carbonating agent, packaging gas

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
14.1.3.3	Concentrates for fruit nectar	GMP	69 & 127	Adopted	2005
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	59	7	
14.2.3	Grape wines	GMP	60	7	

CARMINES

Carmines

INS: 120

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	52	Adopted	2008
01.6.2.1	Ripened cheese, includes rind	125 mg/kg		Adopted	2005
01.6.4.2	Flavoured processed cheese, including containing fruit, vegetables, meat, etc.	100 mg/kg		Adopted	2005
01.6.5	Cheese analogues	100 mg/kg	3 & 178	Adopted	2008
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	150 mg/kg		Adopted	2005
02.2.2	Fat spreads, dairy fat spreads and blended spreads	500 mg/kg	161 & 178	Adopted	2008
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	500 mg/kg	161 & 178	Adopted	2008
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	4 & 16	Adopted	2008
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	182	Adopted	2008
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	4 & 16	Adopted	2008
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 soybean sauce	500 mg/kg	161 & 178	Adopted	2008
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

FoodCatNo	FoodCategory	MaxLevel	Notes	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	92	Adopted	2008
05.1.2	Cocoa mixes (syrups)	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	500 mg/kg	178	Adopted	2008
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
06.4.3	Pre-cooked pastas and noodles and like products	100 mg/kg	153 & 178	Adopted	2008
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
07.1.2	Crackers, excluding sweet crackers	200 mg/kg	178	Adopted	2008
07.1.4	Bread-type products, including bread stuffing and bread crumbs	500 mg/kg	178	Adopted	2008
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	4 & 16	Adopted	2008
08.1.2	Fresh meat, poultry, and game, comminuted	100 mg/kg	4, 16 & 117	Adopted	2008
08.2	Processed meat, poultry, and game products in whole pieces or cuts	500 mg/kg	16	Adopted	2005
08.3.1.1	Cured (including salted) non-heat treated processed comminuted meat, poultry, and game products	200 mg/kg	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	16	Adopted	2005
08.4	Edible casings (e.g., sausage casings)	500 mg/kg	16	Adopted	2005
09.1.1	Fresh fish	300 mg/kg	4, 16 & 50	Adopted	2008
09.1.2	Fresh mollusks, crustaceans, and echinoderms	500 mg/kg	4 & 16	Adopted	2008
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg	95 & 178	Adopted	2008
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	16, 95 & 178	Adopted	2008
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	16	Adopted	2005
09.2.4.1	Cooked fish and fish products	500 mg/kg		Adopted	2005

CARMINES

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	500 mg/kg	16, 95 & 178	Adopted	2008
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	22	Adopted	2005
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	500 mg/kg	16	Adopted	2005
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	500 mg/kg	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	16	Adopted	2005
10.1	Fresh eggs	GMP	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
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	178	Adopted	2008
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	178	Adopted	2008
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
15.3	Snacks - fish based	200 mg/kg	178	3	

CARNAUBA WAX

CARNAUBA WAX

Carnauba wax INS: 903

Function: adjuvant, anticaking agent, bulking agent, carrier solvent, glazing agent, release agent

FoodCatNo	FoodCategory	MaxLevel	Notes	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	79	Adopted	2004
05.1.4	Cocoa and chocolate products	5000 mg/kg	3	Adopted	2006
05.1.5	Imitation chocolate, chocolate substitute products	5000 mg/kg	3	Adopted	2006
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	5000 mg/kg	3	Adopted	2006
05.3	Chewing gum	1200 mg/kg	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	3	Adopted	2001
13.6	Food supplements	5000 mg/kg	3	Adopted	2006
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	200 mg/kg	131	Adopted	2003
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	200 mg/kg	108	Adopted	2006
15.0	Ready-to-eat savouries	200 mg/kg	3	Adopted	2006

CAROB BEAN GUM

Carob bean gum INS: 410

Function: emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		7	
04.1.1.2	Surface-treated fresh fruit	GMP		7	

CAROB BEAN GUM

Function: emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	5000 mg/kg		7	
12.2.1	Herbs and spices	GMP	51	7	
13.1.1	Infant formulae	1000 mg/kg	72	7	
13.1.2	Follow-up formulae	1000 mg/kg	72	7	
13.1.3	Formulae for special medical purposes for infants	1000 mg/kg	72	7	
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, BETA- (VEGETABLE)

beta-Carotenes (vegetable)

INS: 160a(ii)

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	52	Adopted	2008
01.3.2	Beverage whiteners	1000 mg/kg		Adopted	2005
01.4.4	Cream analogues	20 mg/kg	180	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

CAROTENES, BETA- (VEGETABLE)

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.6.2.3	Cheese powder (for reconstitution; e.g., for cheese sauces)	1000 mg/kg		Adopted	2005
01.6.4	Processed cheese	1000 mg/kg		Adopted	2005
01.6.5	Cheese analogues	1000 mg/kg	3	Adopted	2005
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	1000 mg/kg		Adopted	2005
02.1.2	Vegetable oils and fats	1000 mg/kg		Adopted	2006
02.1.3	Lard, tallow, fish oil, and other animal fats	1000 mg/kg		Adopted	2006
02.2.1	Butter	600 mg/kg		Adopted	2008
02.2.2	Fat spreads, dairy fat spreads and blended spreads	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	4 & 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	182	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	
04.2.2.2	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 soybean 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	92	Adopted	2008

CAROTENES, BETA- (VEGETABLE)

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	1000 mg/kg		Adopted	2005
05.1.2	Cocoa mixes (syrups)	100 mg/kg	180	3	
05.1.3	Cocoa-based spreads, including fillings	1000 mg/kg		3	
05.1.4	Cocoa and chocolate products	1000 mg/kg	183	3	
05.1.4	Cocoa and chocolate products	500 mg/kg	183	6	
05.1.5	Imitation chocolate, chocolate substitute products	100 mg/kg	180	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	153	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
08.1.2	Fresh meat, poultry, and game, comminuted	20 mg/kg	4, 16 & 117	6	
08.2	Processed meat, poultry, and game products in whole pieces or cuts	5000 mg/kg	16	Adopted	2005
08.3.1	Non-heat treated processed comminuted meat, poultry, and game products	20 mg/kg	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	16	Adopted	2005
08.4	Edible casings (e.g., sausage casings)	5000 mg/kg		Adopted	2005
09.1.1	Fresh fish	GMP	4, 16 & 50	6	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg	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	16	Adopted	2005

CAROTENES, BETA- (VEGETABLE)

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	16	Adopted	2005
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	1000 mg/kg	16	Adopted	2005
09.3.3	Salmon substitutes, caviar, and other fish roe products	1000 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	1000 mg/kg	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	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
11.3	Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3	50 mg/kg	180	3	
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
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

CAROTENES, BETA- (VEGETABLE)

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	
15.3	Snacks - fish based	100 mg/kg		3	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	1000 mg/kg		3	

CAROTENOIDS

beta-Carotenes (synthetic)	INS: 160a(i)	beta-Carotenes (<i>Blakeslea trispora</i>)	INS: 160a(iii)
beta-apo-8'-Carotenal	INS: 160e	beta-apo-8'-Carotenoic acid, methyl or ethyl ester	INS: 160f

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	52	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	100 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	
01.6.4	Processed cheese	600 mg/kg		6	
01.6.5	Cheese analogues	1000 mg/kg		3	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	200 mg/kg		6	
02.1.2	Vegetable oils and fats	1000 mg/kg		6	
02.1.3	Lard, tallow, fish oil, and other animal fats	1000 mg/kg		6	
02.2.1	Butter	25 mg/kg	146	Adopted	2008
02.2.2	Fat spreads, dairy fat spreads and blended spreads	1000 mg/kg		6	

CAROTENOIDS

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	
04.1.2.3	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	182	6	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	150 mg/kg		6	
04.1.2.10	Fermented fruit products	500 mg/kg		3	
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	4 & 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 soybean 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	92	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	500 mg/kg		3	
05.1.2	Cocoa mixes (syrups)	300 mg/kg		6	
05.1.3	Cocoa-based spreads, including fillings	300 mg/kg		6	
05.1.4	Cocoa and chocolate products	500 mg/kg	183	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	

CAROTENOIDS

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	1200 mg/kg	153	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	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	
08.1.2	Fresh meat, poultry, and game, comminuted	100 mg/kg	4, 16 & 117	6	
08.3.1.1	Cured (including salted) non-heat treated processed comminuted meat, poultry, and game products	100 mg/kg	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	
08.4	Edible casings (e.g., sausage casings)	100 mg/kg	180	3	
09.1.1	Fresh fish	300 mg/kg	4 & 16	6	
09.1.2	Fresh mollusks, crustaceans, and echinoderms	100 mg/kg	4, 16 & 180	3	
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	95	6	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg	41	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	100 mg/kg		3	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	22	6	
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg		3	
09.3.3	Salmon substitutes, caviar, and other fish roe products	500 mg/kg		6	

CAROTENOIDS

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	95	6	
10.1	Fresh eggs	1000 mg/kg	4	3	
10.2	Egg products	1000 mg/kg		3	
10.4	Egg-based desserts (e.g., custard)	150 mg/kg		6	
11.3	Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3	50 mg/kg		3	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	50 mg/kg		3	
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	300 mg/kg		3	
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	1000 mg/kg		3	
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	
14.2.1	Beer and malt beverages	200 mg/kg		3	
14.2.2	Cider and perry	200 mg/kg		6	
14.2.4	Wines (other than grape)	200 mg/kg		6	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	200 mg/kg		6	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	200 mg/kg		6	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	400 mg/kg		3	
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	

CAROTENOIDS

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
16.0	Composite foods - foods that could not be placed in categories 01 - 15	500 mg/kg		6	

CARRAGEENAN AND ITS AMMONIUM, CALCIUM, MAGNESIUM, POTASSIUM AND SODIUM SALTS (INCLUDES FURCELLARAN)

Carrageenan and its ammonium, calcium, magnesium, potassium and sodium salts
(includes furcellaran) INS: 407

Function: emulsifier, filler, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	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	61	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	41 & 61	7	

CARRAGEENAN AND ITS AMMONIUM, CALCIUM, MAGNESIUM, POTASSIUM AND SODIUM

Function: emulsifier, filler, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	51	7	
13.1.2	Follow-up formulae	300 mg/kg	72 & 151	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	

CASTOR OIL

Castor oil INS: 1503

Function: anticaking agent, carrier solvent, glazing agent, release agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
05.1.4	Cocoa and chocolate products	350 mg/kg		Adopted	2007
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	2007
05.3	Chewing gum	2100 mg/kg		Adopted	2007
13.6	Food supplements	1000 mg/kg		Adopted	2007

CHLORINE

Chlorine INS: 925

Function: flour treatment agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
06.2.1	Flours	2500 mg/kg	87	Adopted	2001

CHLORINE DIOXIDE

Chlorine dioxide INS: 926

Function: flour treatment agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
-----------	--------------	----------	-------	------	------

CHLORINE DIOXIDE

Function: flour treatment agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
06.2.1	Flours	2500 mg/kg	87	Adopted	2001

CHLOROPHYLL

Chlorophyll INS: 140

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		7	
04.1.1.2	Surface-treated fresh fruit	GMP	4 & 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	4 & 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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	4 & 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	1000 mg/kg	4, 16 & 94	7	
09.1.1	Fresh fish	GMP	4, 16 & 50	7	
09.1.2	Fresh mollusks, crustaceans, and echinoderms	GMP	4 & 16	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	95	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	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	16	7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	22	7	
10.1	Fresh eggs	GMP	4	7	
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	20 mg/kg	84	4	
13.6	Food supplements	25000 mg/kg		4	
14.2.3.2	Sparkling and semi-sparkling grape wines	GMP		7	

CHLOROPHYLL

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
14.2.3.3	Fortified grape wine, grape liquor wine, and sweet grape wine	GMP		7	

CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES

Chlorophylls, copper complexes INS: 141(i) Chlorophyllin copper complexes, sodium and potassium salts INS: 141(ii)

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	52	3	
01.6.1	Unripened cheese	50 mg/kg		3	
01.6.2.1	Ripened cheese, includes rind	50 mg/kg		3	
01.6.2.1	Ripened cheese, includes rind	15 mg/kg		6	
01.6.2.2	Rind of ripened cheese	75 mg/kg		3	
01.6.2.3	Cheese powder (for reconstitution; e.g., for cheese sauces)	50 mg/kg		3	
01.6.4	Processed cheese	50 mg/kg		3	
01.6.5	Cheese analogues	50 mg/kg		3	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	500 mg/kg		3	
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	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	500 mg/kg		3	
04.1.2.3	Fruit in vinegar, oil, or brine	100 mg/kg	62		Adopted 2005
04.1.2.4	Canned or bottled (pasteurized) fruit	100 mg/kg	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	250 mg/kg		3	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	100 mg/kg	62 & 182		Adopted 2008
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	150 mg/kg	62	6	
04.1.2.10	Fermented fruit products	100 mg/kg	62		Adopted 2005
04.1.2.11	Fruit fillings for pastries	100 mg/kg	62		Adopted 2005
04.1.2.12	Cooked fruit	100 mg/kg	62		Adopted 2005

CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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)	100 mg/kg	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	62 & 92	Adopted	2008
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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	100 mg/kg	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	62	Adopted	2005
05.1.2	Cocoa mixes (syrups)	6.4 mg/kg	62	3	
05.1.3	Cocoa-based spreads, including fillings	6.4 mg/kg	62	3	
05.1.4	Cocoa and chocolate products	700 mg/kg	183	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	
06.4.3	Pre-cooked pastas and noodles and like products	100 mg/kg	153	3	
06.4.3	Pre-cooked pastas and noodles and like products	GMP	153	6	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	75 mg/kg		3	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	6.4 mg/kg	62	6	
07.1.4	Bread-type products, including bread stuffing and bread crumbs	6.4 mg/kg	62	3	
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	75 mg/kg		3	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	40 mg/kg	95	3	
09.2.4.1	Cooked fish and fish products	30 mg/kg	62	6	
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	40 mg/kg	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	

CHLOROPHYLLS AND CHLOROPHYLLINS, COPPER COMPLEXES

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	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	2	3	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	64 mg/kg	62	Adopted	2005
12.2.2	Seasonings and condiments	100 mg/kg		3	
12.4	Mustards	GMP		6	
12.5	Soups and broths	400 mg/kg		6	
12.6	Sauces and like products	100 mg/kg		3	
13.6	Food supplements	GMP		6	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	300 mg/kg		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	
15.3	Snacks - fish based	350 mg/kg		3	

CITRIC ACID

Citric acid INS: 330

Function: antioxidant, acidity regulator, sequestrant

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.2.1	Fermented milks (plain)	1500 mg/kg	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	
01.6.6	Whey protein cheese	GMP		Adopted	2006
02.1.1	Butter oil, anhydrous milkfat, ghee	GMP	171	Adopted	2006
02.1.2	Vegetable oils and fats	100 mg/kg	15	7	
02.1.3	Lard, tallow, fish oil, and other animal fats	100 mg/kg	15	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	

CITRIC ACID

Function: antioxidant, acidity regulator, sequestrant

FoodCatNo	FoodCategory	MaxLevel	Notes	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	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	61	4	
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	51	7	
13.1.1	Infant formulae	GMP	72	7	
13.1.2	Follow-up formulae	GMP	72	7	
13.1.3	Formulae for special medical purposes for infants	GMP	72	4	
13.2	Complementary foods for infants and young children	25000 mg/kg		7	
14.1.2.1	Fruit juice	3000 mg/kg	122	Adopted	2005
14.1.2.2	Vegetable juice	3000 mg/kg		4	
14.1.2.3	Concentrates for fruit juice	3000 mg/kg	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	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

CITRIC AND FATTY ACID ESTERS OF GLYCEROL

Function: antioxidant, emulsifier, sequestrant, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		7	
04.1.1.2	Surface-treated fresh fruit	GMP	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	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	GMP		4	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	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	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	16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	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	51	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	

CURCUMIN

Curcumin

INS: 100(i)

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
-----------	--------------	----------	-------	------	------

CURCUMIN

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	52	7	
01.6.1	Unripened cheese	500 mg/kg	3	4	
01.6.2	Ripened cheese	500 mg/kg		4	
01.6.4	Processed cheese	200 mg/kg		7	
01.6.5	Cheese analogues	500 mg/kg	3	4	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	150 mg/kg		7	
02.1.2	Vegetable oils and fats	5 mg/kg		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	5 mg/kg		7	
02.2.2	Fat spreads, dairy fat spreads and blended spreads	10 mg/kg		4	
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	500 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	4 & 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	182	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	4 & 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 soybean 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	92	7	

CURCUMIN

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	500 mg/kg		4	
05.1	Cocoa products and chocolate products including imitations and chocolate substitutes	300 mg/kg	183	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	500 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	153	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	
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	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	4 & 16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	20 mg/kg	4, 16 & 117	7	
08.2	Processed meat, poultry, and game products in whole pieces or cuts	500 mg/kg	16	7	
08.3.1	Non-heat treated processed comminuted meat, poultry, and game products	20 mg/kg	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	16	7	
08.4	Edible casings (e.g., sausage casings)	500 mg/kg	16	7	
09.1.1	Fresh fish	300 mg/kg	4, 16 & 50	7	
09.1.2	Fresh mollusks, crustaceans, and echinoderms	500 mg/kg	4 & 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	95	7	

CURCUMIN

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	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	16	7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	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	16	7	
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	500 mg/kg	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	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	
12.6	Sauces and like products	500 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	

CURCUMIN

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
06.4.1	Fresh pastas and noodles and like products	GMP		4	

CYCLAMATES

Cyclamic acid INS: 952(i) Calcium cyclamate INS: 952(ii)

Sodium cyclamate INS: 952(iv)

Function: sweetener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, egnog, drinking yoghurt, whey-based drinks)	250 mg/kg	17 & 161	Adopted	2007
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	250 mg/kg	17 & 161	Adopted	2007
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	250 mg/kg	17 & 161	Adopted	2007
03.0	Edible ices, including sherbet and sorbet	250 mg/kg	17 & 161	Adopted	2007
04.1.2.4	Canned or bottled (pasteurized) fruit	1000 mg/kg	17 & 161	Adopted	2007
04.1.2.5	Jams, jellies, marmelades	1000 mg/kg	17 & 161	Adopted	2007
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	2000 mg/kg	17 & 161	Adopted	2007
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	250 mg/kg	17 & 161	Adopted	2007
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	250 mg/kg	17 & 161	Adopted	2007
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	17 & 161	Adopted	2008

CYCLAMATES

Function: sweetener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
05.1.2	Cocoa mixes (syrops)	250 mg/kg	17, 127 & 161	Adopted	2007
05.1.3	Cocoa-based spreads, including fillings	500 mg/kg	17 & 161	Adopted	2007
05.1.4	Cocoa and chocolate products	500 mg/kg	17 & 161	Adopted	2007
05.1.5	Imitation chocolate, chocolate substitute products	500 mg/kg	17 & 161	Adopted	2007
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	500 mg/kg	17, 156 & 161	Adopted	2007
05.3	Chewing gum	3000 mg/kg	17 & 161	Adopted	2007
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500 mg/kg	17 & 161	Adopted	2007
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	250 mg/kg	17 & 161	Adopted	2007
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	1600 mg/kg	17 & 165	Adopted	2007
10.4	Egg-based desserts (e.g., custard)	250 mg/kg	17 & 161	Adopted	2007
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	500 mg/kg	17 & 159	Adopted	2007
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	GMP	17	Adopted	2007
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	500 mg/kg	17 & 161	Adopted	2008
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	17 & 161	Adopted	2008
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	400 mg/kg	17	Adopted	2007
13.4	Dietetic formulae for slimming purposes and weight reduction	400 mg/kg	17	Adopted	2007
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	400 mg/kg	17	Adopted	2007
13.6	Food supplements	1250 mg/kg	17	Adopted	2007
14.1.3.1	Fruit nectar	400 mg/kg	17 & 122	Adopted	2005
14.1.3.2	Vegetable nectar	400 mg/kg	17 & 161	Adopted	2007
14.1.3.3	Concentrates for fruit nectar	400 mg/kg	17, 122 & 127	Adopted	2005
14.1.3.4	Concentrates for vegetable nectar	400 mg/kg	17, 127 & 161	Adopted	2007
14.1.4.1	Carbonated water-based flavoured drinks	1500 mg/kg	17	7	
14.1.4.2	Non-carbonated water-based flavoured drinks, including punches and ades	1500 mg/kg	17	7	
14.1.4.3	Concentrates (liquid or solid) for water-based flavoured drinks	1000 mg/kg	17	3	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	250 mg/kg	17	Adopted	2007

CYCLODEXTRIN, BETA-

beta-Cyclodextrin

INS: 459

CYCLODEXTRIN, BETA-

Function: binder, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
05.3	Chewing gum	20000 mg/kg		Adopted	2001
06.4.3	Pre-cooked pastas and noodles and like products	1000 mg/kg		3	
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, ROASTED STARCH

Dextrins, roasted starch INS: 1400

Function: bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	3 & 53	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	41	7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	90	7	

DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL

Diacetyltartaric and fatty acid esters of glycerol INS: 472e

Function: emulsifier, sequestrant, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	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	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

DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL

Function: emulsifier, sequestrant, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	6000 mg/kg		Adopted	2007
01.4.3	Clotted cream (plain)	5000 mg/kg		Adopted	2006
01.4.4	Cream analogues	6000 mg/kg		Adopted	2007
01.5.1	Milk powder and cream powder (plain)	10000 mg/kg		Adopted	2006
01.5.2	Milk and cream powder analogues	10000 mg/kg		Adopted	2005
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
02.1.2	Vegetable oils and fats	10000 mg/kg		Adopted	2006
02.1.3	Lard, tallow, fish oil, and other animal fats	10000 mg/kg		Adopted	2006
02.2.2	Fat spreads, dairy fat spreads and blended spreads	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		Adopted	2006
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
04.1.2.10	Fermented fruit products	2500 mg/kg		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	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 soybean 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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	2500 mg/kg		Adopted	2005

DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL

Function: emulsifier, sequestrant, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	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	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)	3000 mg/kg	186	Adopted	2008
06.4.2	Dried pastas and noodles and like products	5000 mg/kg		Adopted	2008
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
07.1	Bread and ordinary bakery wares	6000 mg/kg		Adopted	2006
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	20000 mg/kg		Adopted	2006
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
12.1.2	Salt Substitutes	16000 mg/kg		Adopted	2006
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
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
14.1.4	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	500 mg/kg	142	Adopted	2006
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

FoodCatNo	FoodCategory	MaxLevel	Notes	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

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	250 mg/kg	18	Adopted	1999
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	250 mg/kg	18	Adopted	2004
14.2.2	Cider and perry	250 mg/kg	18	Adopted	2004
14.2.3	Grape wines	200 mg/kg	18	Adopted	2004
14.2.4	Wines (other than grape)	250 mg/kg	18	Adopted	2004
14.2.5	Mead	200 mg/kg	18	Adopted	2004

DIOCTYL SODIUM SULFOSUCCINATE

Dioctyl sodium sulfosuccinate INS: 480

Function: adjuvant, emulsifier, humectant, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	19	7	
01.3.1	Condensed milk (plain)	GMP		7	
01.6.1	Unripened cheese	5000 mg/kg	20	7	
01.6.4	Processed cheese	5000 mg/kg	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	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

DIPHENYL

Function: preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
04.1.1.2	Surface-treated fresh fruit	70 mg/kg	49	7	

DIPOTASSIUM 5'-GUANYLATE

Dipotassium 5'-guanylate INS: 628

Function: flavour enhancer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	51	7	

DISODIUM 5'-GUANYLATE

Disodium 5'-guanylate INS: 627

Function: flavour enhancer

FoodCatNo	FoodCategory	MaxLevel	Notes	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	51	7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		4	

DISODIUM 5'-INOSINATE

Disodium 5'-inosinate INS: 631

Function: flavour enhancer

FoodCatNo	FoodCategory	MaxLevel	Notes	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	GMP		4	
06.4.2	Dried pastas and noodles and like products	GMP		4	
08.1	Fresh meat, poultry, and game	GMP		7	

DISODIUM 5'-INOSINATE

Function: flavour enhancer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	51	7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		4	

DISODIUM 5'-RIBONUCLEOTIDES

Disodium 5'-ribonucleotides INS: 635

Function: flavour enhancer

FoodCatNo	FoodCategory	MaxLevel	Notes	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	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

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	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	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	41	7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000 mg/kg		7	

DISTARCH PHOSPHATE

Function: bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
13.1.1	Infant formulae	5000 mg/kg	72 & 150	7	
13.1.2	Follow-up formulae	5000 mg/kg	72 & 150	7	
13.1.3	Formulae for special medical purposes for infants	5000 mg/kg	72 & 150	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	

ERYTHRITOL

Erythritol INS: 968

Function: sweetener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	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

FoodCatNo	FoodCategory	MaxLevel	Notes	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	52	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	

ERYTHROSINE

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	54	Adopted	2005
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	300 mg/kg	182	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 soybean 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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	300 mg/kg		3	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	300 mg/kg		6	
05.3	Chewing gum	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	
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	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	300 mg/kg		6	
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	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	

ETHYL MALTOL

Ethyl maltol

INS: 637

Function: flavour enhancer, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	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	

ETHYL MALTOL

Function: flavour enhancer, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	
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	93	7	
14.2.4	Wines (other than grape)	100 mg/kg		7	

ETHYLENE DIAMINE TETRA ACETATES

Calcium disodium ethylene diamine tetra acetate INS: 385 Disodium ethylene diamine tetra acetate INS: 386

Function: antioxidant, preservative, sequestrant

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
02.2.2	Fat spreads, dairy fat spreads and blended spreads	100 mg/kg	21	Adopted	2001
04.1.2.2	Dried fruit	265 mg/kg	21	Adopted	2001
04.1.2.3	Fruit in vinegar, oil, or brine	250 mg/kg	21	Adopted	2008
04.1.2.5	Jams, jellies, marmelades	130 mg/kg	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	21	Adopted	2001
04.1.2.10	Fermented fruit products	250 mg/kg	21	Adopted	2008
04.1.2.11	Fruit fillings for pastries	650 mg/kg	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	21 & 110	Adopted	2006
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	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 soybean sauce	250 mg/kg	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	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	21	Adopted	2001

ETHYLENE DIAMINE TETRA ACETATES

Function: antioxidant, preservative, sequestrant

FoodCatNo	FoodCategory	MaxLevel	Notes	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	80 mg/kg	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	250 mg/kg	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	21	Adopted	2001
05.1.3	Cocoa-based spreads, including fillings	50 mg/kg	21	Adopted	2001
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	315 mg/kg	21	Adopted	2001
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	35 mg/kg	21	Adopted	2001
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	75 mg/kg	21	Adopted	2001
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	75 mg/kg	21	Adopted	2001
09.2.4.1	Cooked fish and fish products	50 mg/kg	21	Adopted	2005
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	250 mg/kg	21	Adopted	2001
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	340 mg/kg	21	Adopted	2001
10.2.3	Dried and/or heat coagulated egg products	200 mg/kg	21 & 47	Adopted	2001
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	1000 mg/kg	21 & 96	Adopted	2005
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	70 mg/kg	21	Adopted	2001
12.4	Mustards	75 mg/kg	21	Adopted	2001
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	100 mg/kg	21	Adopted	2001
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	75 mg/kg	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	21	Adopted	2001
13.6	Food supplements	150 mg/kg	21	Adopted	2001
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	200 mg/kg	21	Adopted	2001
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	35 mg/kg	21	Adopted	2001
14.2.1	Beer and malt beverages	25 mg/kg	21	Adopted	2004
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	25 mg/kg	21	Adopted	2005
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	25 mg/kg	21	Adopted	2007

FAST GREEN FCF

FAST GREEN FCF

Fast green FCF

INS: 143

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	52	Adopted	2008
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	100 mg/kg	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	182	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 soybean 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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	
06.4.3	Pre-cooked pastas and noodles and like products	100 mg/kg	153	6	
06.4.3	Pre-cooked pastas and noodles and like products	290 mg/kg	153	3	
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

FAST GREEN FCF

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
08.1	Fresh meat, poultry, and game	1000 mg/kg	3, 4 & 16	3	
08.2	Processed meat, poultry, and game products in whole pieces or cuts	1000 mg/kg	3 & 4	3	
08.4	Edible casings (e.g., sausage casings)	1000 mg/kg	3 & 4	3	
09.2.4.1	Cooked fish and fish products	100 mg/kg		Adopted	1999
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	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

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
14.1.4.3	Concentrates (liquid or solid) for water-based flavoured drinks	10 mg/kg	23	Adopted	1999

FERROCYANIDES

Sodium ferrocyanide

INS: 535

Potassium ferrocyanide

INS: 536

Calcium ferrocyanide

INS: 538

Function: anticaking agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
12.1.1	Salt	14 mg/kg	24 & 107	Adopted	2006
12.1.2	Salt Substitutes	20 mg/kg	24	Adopted	1999
12.2.2	Seasonings and condiments	20 mg/kg	24	Adopted	1999

FERROUS GLUCONATE

FERROUS GLUCONATE

Ferrous gluconate INS: 579

Function: acidity regulator, colour retention agent, preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	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 soybean sauce	150 mg/kg	23 & 48	Adopted	1999

FERROUS LACTATE

Ferrous lactate INS: 585

Function: acidity regulator, colour retention agent

FoodCatNo	FoodCategory	MaxLevel	Notes	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 soybean sauce	150 mg/kg	23 & 48	Adopted	1999

FORMIC ACID

Formic acid INS: 236

Function: preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
12.6	Sauces and like products	200 mg/kg	25	Adopted	2001
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	100 mg/kg	25	Adopted	2001

FUMARIC ACID

Fumaric acid INS: 297

Function: acidity regulator, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	51	4	

FUMARIC ACID

Function: acidity regulator, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	1000 mg/kg	2	7	
14.2.3	Grape wines	3000 mg/kg	109	7	

GELLAN GUM

Gellan gum INS: 418

Function: stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.1.1	Milk and buttermilk (plain)	GMP		7	
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation	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)	GMP		7	
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		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	
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	

GELLAN GUM

Function: stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
12.2.1	Herbs and spices	GMP	51	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

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.2.1	Fermented milks (plain)	GMP		7	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		4	
01.6.6	Whey protein cheese	GMP		Adopted	2006
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		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	
13.2	Complementary foods for infants and young children	5000 mg/kg		4	

GLUCOSE OXIDASE FROM ASPERGILLUS NIGER VAR.

Glucose oxidase from Aspergillus niger var. INS: 1102

Function: antioxidant, preservative, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
06.2.1	Flours	780 mg/kg		4	
14.2.3	Grape wines	GMP		7	

GLUTAMIC ACID, L(+)-

L(+)-Glutamic acid INS: 620

Function: flavour enhancer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	51	7	

GLYCEROL

GLYCEROL

Glycerol INS: 422

Function: emulsifier, humectant, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	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	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	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	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	16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	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	51	7	
12.2.1	Herbs and spices	GMP	51	7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	

GLYCEROL ESTERS OF WOOD ROSIN

Glycerol esters of wood rosin INS: 445

Function: adjuvant, bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
-----------	--------------	----------	-------	------	------

GLYCEROL ESTERS OF WOOD ROSIN

Function: adjuvant, bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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: 163(ii)

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	52	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	
01.6.4.2	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	1000 mg/kg		3	
03.0	Edible ices, including sherbet and sorbet	100 mg/kg		6	
04.1.1.2	Surface-treated fresh fruit	GMP	4 & 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	182	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	
04.1.2.11	Fruit fillings for pastries	1500 mg/kg		3	

GRAPE SKIN EXTRACT

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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 soybean 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	92	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	1500 mg/kg		3	
05.1.2	Cocoa mixes (syrups)	200 mg/kg	181	3	
05.1.3	Cocoa-based spreads, including fillings	200 mg/kg	181	3	
05.1.4	Cocoa and chocolate products	200 mg/kg	181 & 183	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	
07.1.2	Crackers, excluding sweet crackers	200 mg/kg		3	
07.1.4	Bread-type products, including bread stuffing and bread crumbs	200 mg/kg		3	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	5000 mg/kg	4 & 16	3	
08.1.2	Fresh meat, poultry, and game, comminuted	1000 mg/kg	4, 16 & 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	16	3	
08.3.1.3	Fermented non-heat treated processed comminuted meat, poultry, and game products	5000 mg/kg	16	3	
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	5000 mg/kg	16	3	
08.3.3	Frozen processed comminuted meat, poultry, and game products	5000 mg/kg	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	

GRAPE SKIN EXTRACT

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	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	16	3	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg	22	3	
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	500 mg/kg	16	3	
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	1500 mg/kg	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	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	4	3	
10.4	Egg-based desserts (e.g., custard)	500 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	
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	

GRAPE SKIN EXTRACT

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	
15.3	Snacks - fish based	500 mg/kg		3	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	10 mg/kg		6	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	1500 mg/kg		3	

GUAIAIC RESIN

Guaiac resin INS: 314

Function: antioxidant

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
02.1.2	Vegetable oils and fats	1000 mg/kg		Adopted	2006
02.1.3	Lard, tallow, fish oil, and other animal fats	1000 mg/kg		Adopted	2006
05.3	Chewing gum	1500 mg/kg		Adopted	1999
12.6	Sauces and like products	600 mg/kg	15	Adopted	2004

GUANYLIC ACID, 5'

5'-Guanylic acid INS: 626

Function: flavour enhancer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	51	7	

GUAR GUM

Guar gum INS: 412

Function: bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.1.1	Milk and buttermilk (plain)	6000 mg/kg		7	

GUAR GUM

Function: bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	
02.1.2	Vegetable oils and fats	20000 mg/kg		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	20000 mg/kg		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	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	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	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000 mg/kg		7	
12.1.2	Salt Substitutes	GMP		7	

GUAR GUM

Function: bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
12.2.1	Herbs and spices	GMP	51	7	
13.1.1	Infant formulae	1000 mg/kg	14 & 72	7	
13.1.2	Follow-up formulae	1000 mg/kg	72	7	
13.1.3	Formulae for special medical purposes for infants	1000 mg/kg	14 & 72	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 (ACACIA GUM)

Gum arabic (Acacia gum)

INS: 414

Function: bulking agent, emulsifier, filler, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	5000 mg/kg		7	
01.2.2	Renneted milk (plain)	GMP		7	
01.4.1	Pasteurized cream (plain)	5000 mg/kg		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)	5000 mg/kg		7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP		4	
02.1.2	Vegetable oils and fats	15000 mg/kg		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	15000 mg/kg		7	
02.2.1	Butter	GMP		4	
04.1.1.2	Surface-treated fresh fruit	GMP	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	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	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	16	7	

GUM ARABIC (ACACIA GUM)

Function: bulking agent, emulsifier, filler, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	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	51	7	
13.1	Infant formulae, follow-up formulae, and formulae for special medical purposes for infants	GMP		4	
13.2	Complementary foods for infants and young children	20000 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	
14.2.3	Grape wines	300 mg/kg		7	
14.2.3	Grape wines	GMP		4	

HEXAMETHYLENE TETRAMINE

Hexamethylene tetramine INS: 239

Function: preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.6.2.1	Ripened cheese, includes rind	25 mg/kg	66	Adopted	2001

HYDROCHLORIC ACID

Hydrochloric acid INS: 507

Function: acidity regulator

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.2.1	Fermented milks (plain)	GMP		7	
06.2	Flours and starches (including soybean powder)	GMP		7	
13.2	Complementary foods for infants and young children	GMP		7	

HYDROGENATED POLY-DECENES

HYDROGENATED POLY-DECENES

Hydrogenated poly-decenes INS: 907

Function: glazing agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
04.1.2.2	Dried fruit	2000 mg/kg		4	
05.2.2	Soft candy	2000 mg/kg		4	

HYDROXYBENZOATES, PARA-

Ethyl para-hydroxybenzoate INS: 214 Methyl para-hydroxybenzoate INS: 218

Function: preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.6.2	Ripened cheese	500 mg/kg	27	6	
01.6.4	Processed cheese	300 mg/kg	27	6	
01.6.5	Cheese analogues	500 mg/kg	27	6	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	120 mg/kg	27	6	
02.2.2	Fat spreads, dairy fat spreads and blended spreads	300 mg/kg	27	6	
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	300 mg/kg	27	6	
03.0	Edible ices, including sherbet and sorbet	1000 mg/kg	27	6	
04.1.1.2	Surface-treated fresh fruit	12 mg/kg	27	6	
04.1.1.3	Peeled or cut fresh fruit	12 mg/kg	27	6	
04.1.2.1	Frozen fruit	800 mg/kg	27	6	
04.1.2.2	Dried fruit	800 mg/kg	27	6	
04.1.2.3	Fruit in vinegar, oil, or brine	800 mg/kg	27	6	
04.1.2.4	Canned or bottled (pasteurized) fruit	800 mg/kg	27	6	
04.1.2.5	Jams, jellies, marmelades	1000 mg/kg	27	6	
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	1000 mg/kg	27	6	
04.1.2.7	Candied fruit	1000 mg/kg	27	6	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	800 mg/kg	27	6	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	800 mg/kg	27	6	
04.1.2.10	Fermented fruit products	800 mg/kg	27	6	
04.1.2.11	Fruit fillings for pastries	800 mg/kg	27	6	
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	12 mg/kg	27	6	

HYDROXYBENZOATES, PARA-

Function: preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	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	12 mg/kg	27	6	
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce	1000 mg/kg	27	6	
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	300 mg/kg	27	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	27	6	
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	1000 mg/kg	27	6	
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	300 mg/kg	27	6	
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	700 mg/kg	27	6	
05.1.3	Cocoa-based spreads, including fillings	300 mg/kg	27	6	
05.1.5	Imitation chocolate, chocolate substitute products	300 mg/kg	27	6	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	2000 mg/kg	27	6	
05.3	Chewing gum	1500 mg/kg	27	6	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	300 mg/kg	27	6	
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	300 mg/kg	27	6	
08.2.1.2	Cured (including salted) and dried non-heat treated processed meat, poultry, and game products in whole pieces or cuts	GMP	3 & 27	6	
08.3.1.2	Cured (including salted) and dried non-heat treated processed comminuted meat, poultry, and game products	GMP	3 & 27	6	
08.4	Edible casings (e.g., sausage casings)	36 mg/kg	27	6	
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg	27	6	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	100 mg/kg	27	6	
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	1500 mg/kg	27	3	
12.3	Vinegars	100 mg/kg	27	6	
12.4	Mustards	300 mg/kg	27	6	
12.5	Soups and broths	300 mg/kg	27	6	
12.6	Sauces and like products	1000 mg/kg	27	6	
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	300 mg/kg	27	6	

HYDROXYBENZOATES, PARA-

Function: preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
13.6	Food supplements	2000 mg/kg	27	3	
14.1.2.2	Vegetable juice	1000 mg/kg	27	6	
14.1.2.4	Concentrates for vegetable juice	1000 mg/kg	27	6	
14.1.3.2	Vegetable nectar	200 mg/kg	27	6	
14.1.3.4	Concentrates for vegetable nectar	200 mg/kg	27	6	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	1000 mg/kg	27	6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	450 mg/kg	27	6	
14.2.1	Beer and malt beverages	200 mg/kg	27	6	
14.2.2	Cider and perry	200 mg/kg	27	6	
14.2.3	Grape wines	50 mg/kg	27	6	
14.2.4	Wines (other than grape)	200 mg/kg	27	6	
14.2.5	Mead	200 mg/kg	27	6	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	1000 mg/kg	27	6	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	1000 mg/kg	27	3	
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	300 mg/kg	27	6	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	1000 mg/kg	27	6	

HYDROXYPROPYL CELLULOSE

Hydroxypropyl cellulose

INS: 463

Function: bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	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	16	7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	16	7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP		7	

HYDROXYPROPYL CELLULOSE

Function: bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	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	41	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	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	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

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
01.8.2	Dried whey and whey products, excluding whey cheeses	10000 mg/kg		Adopted	2006
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	41	7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000 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	

HYDROXYPROPYL METHYL CELLULOSE

Hydroxypropyl methyl cellulose INS: 464

Function: bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
-----------	--------------	----------	-------	------	------

HYDROXYPROPYL METHYL CELLULOSE

Function: bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	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	16	7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	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	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	41	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	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	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

FoodCatNo	FoodCategory	MaxLevel	Notes	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	

HYDROXYPROPYL STARCH

Function: bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		7	
04.1.1.2	Surface-treated fresh fruit	GMP	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	16	7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	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	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	41	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	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	51	7	
13.1.1	Infant formulae	5000 mg/kg	72 & 150	7	
13.1.3	Formulae for special medical purposes for infants	5000 mg/kg	72 & 150	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 (INDIGO CARMINE)

Indigotine (Indigo carmine)

INS: 132

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	52	6	
01.6.1	Unripened cheese	200 mg/kg	3	3	
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		3	
01.6.5	Cheese analogues	200 mg/kg	3	3	

INDIGOTINE (INDIGO CARMINE)

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	300 mg/kg		6	
02.1.3	Lard, tallow, fish oil, and other animal fats	200 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	
04.1.2.5	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	182	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 soybean sauce	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	200 mg/kg	92	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	500 mg/kg		3	
05.1.3	Cocoa-based spreads, including fillings	100 mg/kg		6	
05.1.4	Cocoa and chocolate products	450 mg/kg	183	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	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	300 mg/kg		6	
07.0	Bakery wares	300 mg/kg		6	
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	200 mg/kg		6	
09.1.1	Fresh fish	300 mg/kg	4, 16 & 50	6	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	95	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	

INDIGOTINE (INDIGO CARMINE)

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	22	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	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	
12.2.2	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	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	50 mg/kg		6	
13.4	Dietetic formulae for slimming purposes and weight reduction	50 mg/kg		6	
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	300 mg/kg		6	
13.6	Food supplements	300 mg/kg		6	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	300 mg/kg		6	
14.2.2	Cider and perry	200 mg/kg		6	
14.2.4	Wines (other than grape)	200 mg/kg		6	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	300 mg/kg		6	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	200 mg/kg		6	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	300 mg/kg		6	
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	100 mg/kg		6	

INOSINIC ACID

Inosinic acid

INS: 630

INOSINIC ACID

Function: flavour enhancer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	51	7	

INVERTASE FROM SACCHAROMYCES CEREVISIAEInvertase from *Saccharomyces cerevisiae* INS: 1103

Function: stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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: 172(i) Iron oxide, red INS: 172(ii)

Iron oxide, yellow INS: 172(iii)

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	52	Adopted	2008
01.6.1	Unripened cheese	GMP		6	
01.6.2.2	Rind of ripened cheese	100 mg/kg		Adopted	2005
01.6.4	Processed cheese	50 mg/kg		Adopted	2005
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	4 & 16	Adopted	2008
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
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	200 mg/kg		Adopted	2005

IRON OXIDES

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	GMP	92	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
06.3	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
08.4	Edible casings (e.g., sausage casings)	1000 mg/kg	72	Adopted	2005
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	250 mg/kg	22	Adopted	2005
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	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	
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
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	500 mg/kg		Adopted	2005

IRON OXIDES

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	400 mg/kg		Adopted	2005

ISOASCORBIC ACID (ERYTHORBIC ACID)

Isoascorbic acid (Erythorbic acid) INS: 315

Function: antioxidant, colour retention agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	
04.1.1	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	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	

ISOMALT (ISOMALTITOL)

Isomalt (Isomaltitol) INS: 953

Function: anticaking agent, bulking agent, emulsifier, glazing agent, sweetener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	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	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	50000 mg/kg		4	

ISOMALT (ISOMALTITOL)

Function: anticaking agent, bulking agent, emulsifier, glazing agent, sweetener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	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	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	16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	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	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	51	7	
13.2	Complementary foods for infants and young children	100000 mg/kg		4	
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

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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
02.2.2	Fat spreads, dairy fat spreads and blended spreads	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

ISOPROPYL CITRATES

Function: antioxidant, preservative, sequestrant

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		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	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	51	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

Konjac flour INS: 425

Function: emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
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	
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	51	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 DL-)

Lactic acid (L-, D- and DL-) INS: 270

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

Function: acidity regulator

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
01.6.6	Whey protein cheese	GMP		Adopted	2006
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	51	7	
13.1.1	Infant formulae	GMP	72 & 83	7	
13.1.2	Follow-up formulae	GMP	72	7	
13.1.3	Formulae for special medical purposes for infants	GMP	72 & 83	4	
13.2	Complementary foods for infants and young children	15000 mg/kg		7	
14.2.3	Grape wines	4000 mg/kg		4	

LACTIC AND FATTY ACID ESTERS OF GLYCEROL

Lactic and fatty acid esters of glycerol INS: 472b

Function: emulsifier, sequestrant, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	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	

LACTIC AND FATTY ACID ESTERS OF GLYCEROL

Function: emulsifier, sequestrant, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	10000 mg/kg		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	
04.1.1.2	Surface-treated fresh fruit	GMP	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	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	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	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	16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	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	5000 mg/kg		7	
12.2.1	Herbs and spices	5000 mg/kg	51	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	

LACTITOL

Lactitol INS: 966

Function: bulking agent, emulsifier, stabilizer, sweetener, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	10000 mg/kg		4	

LACTITOL

Function: bulking agent, emulsifier, stabilizer, sweetener, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	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	30000 mg/kg		4	

LECITHIN

Lecithin INS: 322(i)

Function: antioxidant, emulsifier, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
02.1.2	Vegetable oils and fats	30000 mg/kg		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	30000 mg/kg		7	
04.1.1.2	Surface-treated fresh fruit	GMP	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	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	
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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	

LECITHIN

Function: antioxidant, emulsifier, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	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	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	41	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	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	51	7	
13.1.1	Infant formulae	5000 mg/kg	72	7	
13.1.2	Follow-up formulae	5000 mg/kg	72	7	
13.1.3	Formulae for special medical purposes for infants	5000 mg/kg	72	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	

LUTEIN FROM TAGETES ERECTA

Lutein from Tagetes erecta

INS: 161b(i)

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	52	4	
01.6.1	Unripened cheese	GMP		4	
01.6.2	Ripened cheese	GMP		4	
01.6.4.1	Plain processed cheese	GMP		4	
01.6.4.2	Flavoured processed cheese, including containing fruit, vegetables, meat, etc.	100 mg/kg		4	
01.6.5	Cheese analogues	GMP		4	

LUTEIN FROM TAGETES ERECTA

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	150 mg/kg		4	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	150 mg/kg		4	
03.0	Edible ices, including sherbet and sorbet	150 mg/kg		4	
04.1.2.5	Jams, jellies, marmelades	100 mg/kg		4	
04.1.2.7	Candied fruit	200 mg/kg		4	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	150 mg/kg		4	
04.1.2.11	Fruit fillings for pastries	150 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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	GMP		4	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	300 mg/kg		4	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500 mg/kg		4	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	150 mg/kg		4	
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	200 mg/kg		4	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP	4 & 16	4	
08.3.1.1	Cured (including salted) non-heat treated processed comminuted meat, poultry, and game products	GMP		4	
08.4	Edible casings (e.g., sausage casings)	GMP		4	
09.1.1	Fresh fish	300 mg/kg	4, 16 & 50	4	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	95	4	
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	250 mg/kg		4	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg	22	4	
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	GMP		4	
09.3.3	Salmon substitutes, caviar, and other fish roe products	500 mg/kg		4	
10.2	Egg products	GMP		4	
10.4	Egg-based desserts (e.g., custard)	150 mg/kg		4	
12.2.2	Seasonings and condiments	500 mg/kg		4	
12.4	Mustards	300 mg/kg		4	
12.5	Soups and broths	50 mg/kg		4	
12.6	Sauces and like products	500 mg/kg	92	4	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	50 mg/kg		4	
13.4	Dietetic formulae for slimming purposes and weight reduction	50 mg/kg		4	

LUTEIN FROM TAGETES ERECTA

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	100 mg/kg		4	
13.6	Food supplements	300 mg/kg		4	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	100 mg/kg		4	
14.2.2	Cider and perry	200 mg/kg		4	
14.2.4	Wines (other than grape)	200 mg/kg		4	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	200 mg/kg		4	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	200 mg/kg		4	
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	100 mg/kg		4	

LYCOPENES

Lycopene (synthetic)

INS: 160d(i)

Lycopene (Blakeslea trispora)

INS: 160d(iii)

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	52	3	
01.3.2	Beverage whiteners	100 mg/kg		3	
01.4.4	Cream analogues	1000 mg/kg		3	
01.5.2	Milk and cream powder analogues	100 mg/kg		3	
01.6.1	Unripened cheese	100 mg/kg		3	
01.6.2.1	Ripened cheese, includes rind	1000 mg/kg		3	
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)	100 mg/kg		3	
01.6.3	Whey cheese	1000 mg/kg		3	
01.6.4.1	Plain processed cheese	100 mg/kg		3	
01.6.4.2	Flavoured processed cheese, including containing fruit, vegetables, meat, etc.	2000 mg/kg		3	
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)	1000 mg/kg		3	
01.8	Whey and whey products, excluding whey cheeses	100 mg/kg		3	
02.1.1	Butter oil, anhydrous milkfat, ghee	100 mg/kg		3	
02.1.2	Vegetable oils and fats	10 mg/kg		3	
02.1.3	Lard, tallow, fish oil, and other animal fats	10 mg/kg		3	

LYCOPENES

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
02.2.1	Butter	100 mg/kg		3	
02.2.2	Fat spreads, dairy fat spreads and blended spreads	100 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		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	1000 mg/kg		3	
04.1.2.3	Fruit in vinegar, oil, or brine	1000 mg/kg		3	
04.1.2.4	Canned or bottled (pasteurized) fruit	100 mg/kg		3	
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	1000 mg/kg		3	
04.1.2.7	Candied fruit	200 mg/kg		3	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	100 mg/kg	182	3	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	1000 mg/kg		3	
04.1.2.10	Fermented fruit products	1000 mg/kg		3	
04.1.2.11	Fruit fillings for pastries	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 soybean sauce	100 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	100 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)	100 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	100 mg/kg	92	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	200 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	100 mg/kg		3	
05.1.4	Cocoa and chocolate products	1000 mg/kg	183	3	
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	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	1000 mg/kg		3	

LYCOPENES

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
06.1	Whole, broken, or flaked grain, including rice	1000 mg/kg	184	3	
06.3	Breakfast cereals, including rolled oats	1000 mg/kg		3	
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	153	3	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	150 mg/kg	173	3	
06.6	Batters (e.g., for breading or batters for fish or poultry)	1000 mg/kg		3	
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	1000 mg/kg		3	
07.1.1	Breads and rolls	1000 mg/kg		3	
07.1.2	Crackers, excluding sweet crackers	1000 mg/kg		3	
07.1.4	Bread-type products, including bread stuffing and bread crumbs	1000 mg/kg		3	
07.1.5	Steamed breads and buns	1000 mg/kg		3	
07.1.6	Mixes for bread and ordinary bakery wares	1000 mg/kg		3	
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	1000 mg/kg		3	
08.2.2	Heat-treated processed meat, poultry, and game products in whole pieces or cuts	1000 mg/kg		3	
08.3	Processed comminuted meat, poultry, and game products	1000 mg/kg		3	
08.4	Edible casings (e.g., sausage casings)	1000 mg/kg		3	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg		3	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg		3	
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg		3	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg		3	
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	1000 mg/kg		3	
09.3.3	Salmon substitutes, caviar, and other fish roe products	1000 mg/kg		3	
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3	100 mg/kg		3	
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	30 mg/kg	176	3	
10.4	Egg-based desserts (e.g., custard)	1000 mg/kg		3	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	1000 mg/kg		3	
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	1000 mg/kg		3	
12.4	Mustards	300 mg/kg		3	
12.5	Soups and broths	1000 mg/kg		3	
12.6	Sauces and like products	1000 mg/kg		3	

LYCOPENES

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	50000 mg/kg		3	
13.4	Dietetic formulae for slimming purposes and weight reduction	1000 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	1000 mg/kg		3	
13.6	Food supplements	50000 mg/kg		3	
14.1.2	Fruit and vegetable juices	1000 mg/kg	127	3	
14.1.3.1	Fruit nectar	1000 mg/kg		3	
14.1.3.2	Vegetable nectar	1000 mg/kg		3	
14.1.3.3	Concentrates for fruit nectar	1000 mg/kg	127	3	
14.1.3.4	Concentrates for vegetable nectar	1000 mg/kg	127	3	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	100 mg/kg		3	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	1000 mg/kg	160	3	
14.2.2	Cider and perry	200 mg/kg		3	
14.2.4	Wines (other than grape)	1000 mg/kg		3	
14.2.5	Mead	1000 mg/kg		3	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	1000 mg/kg		3	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	1000 mg/kg		3	
15.0	Ready-to-eat savouries	1000 mg/kg		3	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	1000 mg/kg		3	

LYSOZYME

Lysozyme

INS: 1105

Function: preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	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

INS: 504(i)

MAGNESIUM CARBONATE

Function: anticaking agent, acidity regulator, colour retention agent

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
01.8.2	Dried whey and whey products, excluding whey cheeses	10000 mg/kg			Adopted 2006
04.1.1.2	Surface-treated fresh fruit	GMP	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	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	5000 mg/kg	36	4	
06.2.1	Flours	1500 mg/kg		4	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	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	16	7	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	5000 mg/kg	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	16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	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	56		Adopted 2006
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		7	
12.1.1	Salt	GMP			Adopted 2006
12.1.2	Salt Substitutes	5000 mg/kg	36	4	
12.2.1	Herbs and spices	5000 mg/kg	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

MAGNESIUM CHLORIDE

Function: colour retention agent, firming agent

FoodCatNo	FoodCategory	MaxLevel	Notes	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	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	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	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	16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	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	51	7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		7	

MAGNESIUM GLUTAMATE

Magnesium glutamate

INS: 625

Function: flavour enhancer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	51	7	

MAGNESIUM HYDROGEN CARBONATE

Magnesium hydrogen carbonate

INS: 504(ii)

Function: anticaking agent, acidity regulator, firming agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.1.1.2	Buttermilk (plain)	GMP		7	

MAGNESIUM HYDROGEN CARBONATE

Function: anticaking agent, acidity regulator, firming agent

FoodCatNo	FoodCategory	MaxLevel	Notes	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	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	16	7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	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	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	16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	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	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

FoodCatNo	FoodCategory	MaxLevel	Notes	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	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	16	7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	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	16	7	

MAGNESIUM HYDROXIDE

Function: acidity regulator, colour retention agent, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	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	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

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.8.2	Dried whey and whey products, excluding whey cheeses	10000 mg/kg		Adopted	2006
12.1.1	Salt	GMP		Adopted	2006

MAGNESIUM SILICATE

Magnesium silicate INS: 553(i)

Function: anticaking agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.8.2	Dried whey and whey products, excluding whey cheeses	10000 mg/kg		Adopted	2006
11.1.2	Powdered sugar, powdered dextrose	15000 mg/kg	56	Adopted	2006
12.1.1	Salt	GMP		Adopted	2006
12.1.2	Salt Substitutes	10000 mg/kg		7	

MALIC ACID, DL-

Malic acid, DL- INS: 296

Function: acidity regulator, sequestrant

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
-----------	--------------	----------	-------	------	------

MALIC ACID, DL-

Function: acidity regulator, sequestrant

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.2.1	Fermented milks (plain)	GMP		7	
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		4	
01.6.6	Whey protein cheese	GMP		Adopted	2006
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	
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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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		4	
12.2.1	Herbs and spices	GMP	51	4	
13.2	Complementary foods for infants and young children	GMP		7	
14.1.2.1	Fruit juice	GMP	115	Adopted	2005
14.1.2.2	Vegetable juice	3000 mg/kg		4	
14.1.2.3	Concentrates for fruit juice	GMP	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	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

Maltitol

INS: 965(i)

Function: bulking agent, emulsifier, stabilizer, sweetener, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	50000 mg/kg		4	

MALTITOL

Function: bulking agent, emulsifier, stabilizer, sweetener, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	
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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	
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	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	100000 mg/kg		4	

MALTITOL SYRUP

Maltitol syrup

INS: 965(ii)

Function: bulking agent, emulsifier, stabilizer, sweetener, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
04.1.1.2	Surface-treated fresh fruit	GMP		4	

MALTITOL SYRUP

Function: bulking agent, emulsifier, stabilizer, sweetener, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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		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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	
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	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	100000 mg/kg		4	

MALTOL

Maltol INS: 636

Function: flavour enhancer, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	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	

MALTOL

Function: flavour enhancer, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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

INS: 421

Function: anticaking agent, bulking agent, emulsifier, stabilizer, sweetener, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		4	
01.2.2	Renneted milk (plain)	GMP		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	51	4	
13.2	Complementary foods for infants and young children	GMP		7	

METHYL CELLULOSE

METHYL CELLULOSE

Methyl cellulose

INS: 461

Function: bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	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	16	7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	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	16	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	61	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	41 & 61	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	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	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

FoodCatNo	FoodCategory	MaxLevel	Notes	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	

METHYL ETHYL CELLULOSE

Function: bulking agent, emulsifier, foaming agent, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
04.1.1.2	Surface-treated fresh fruit	GMP	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	16	7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	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	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	41	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	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	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: 460(i)

Function: anticaking agent, bulking agent, emulsifier, foaming agent, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
01.8.2	Dried whey and whey products, excluding whey cheeses	10000 mg/kg		Adopted	2006
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		7	

MICROCRYSTALLINE CELLULOSE

Function: anticaking agent, bulking agent, emulsifier, foaming agent, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
04.1.1.2	Surface-treated fresh fruit	GMP	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	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	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	16	7	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	10000 mg/kg		7	
10.2.1	Liquid egg products	GMP		7	
10.2.2	Frozen egg products	GMP		7	
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	
12.1.2	Salt Substitutes	22000 mg/kg		7	
12.2.1	Herbs and spices	GMP	51	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: 905c(i)

Function: antifoaming agent, bulking agent, glazing agent

FoodCatNo	FoodCategory	MaxLevel	Notes	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

MICROCRYSTALLINE WAX

Function: antifoaming agent, bulking agent, glazing agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP	3	Adopted	2001
05.3	Chewing gum	20000 mg/kg	3	Adopted	2001

MINERAL OIL, HIGH VISCOSITY

Mineral oil, high viscosity INS: 905d

Function: glazing agent, release agent

FoodCatNo	FoodCategory	MaxLevel	Notes	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	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	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	3	Adopted	2004
06.1	Whole, broken, or flaked grain, including rice	800 mg/kg	98	Adopted	2004
07.0	Bakery wares	3000 mg/kg	125	Adopted	2004
08.2.3	Frozen processed meat, poultry, and game products in whole pieces or cuts	950 mg/kg	3	Adopted	2004
08.3.3	Frozen processed comminuted meat, poultry, and game products	950 mg/kg	3	Adopted	2004

MINERAL OIL, MEDIUM AND LOW VISCOSITY (CLASS I)

Mineral oil, medium and low viscosity (class I) INS: 905e

Function: glazing agent, release agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
04.1.2.2	Dried fruit	5000 mg/kg		Adopted	2005
05.0	Confectionery	2000 mg/kg	3	Adopted	2004
07.1.1	Breads and rolls	3000 mg/kg	36 & 126	Adopted	2004

MONO- AND DI-GLYCERIDES OF FATTY ACIDS

Mono- and di-glycerides of fatty acids INS: 471

Function: antifoaming agent, bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.1.1	Milk and buttermilk (plain)	10000 mg/kg		7	

MONO- AND DI-GLYCERIDES OF FATTY ACIDS

Function: antifoaming agent, bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	
02.1.2	Vegetable oils and fats	20000 mg/kg		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	100000 mg/kg		7	
04.1.1.2	Surface-treated fresh fruit	GMP	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	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	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	16	7	
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	
12.1.2	Salt Substitutes	5000 mg/kg		7	
12.2.1	Herbs and spices	5000 mg/kg	51	7	
13.1.1	Infant formulae	4000 mg/kg	72	7	
13.1.2	Follow-up formulae	4000 mg/kg	72	7	
13.1.3	Formulae for special medical purposes for infants	4000 mg/kg	72	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	
14.2.3	Grape wines	18 mg/kg		7	

MONOAMMONIUM GLUTAMATE

Monoammonium glutamate

INS: 624

Function: flavour enhancer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
08.1	Fresh meat, poultry, and game	GMP		7	
12.1.2	Salt Substitutes	GMP		7	

MONOAMMONIUM GLUTAMATE

Function: flavour enhancer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
12.2.1	Herbs and spices	GMP	51	7	

MONOPOTASSIUM GLUTAMATE

Monopotassium glutamate INS: 622

Function: flavour enhancer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	41	7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	51	7	

MONOSODIUM GLUTAMATE

Monosodium glutamate INS: 621

Function: flavour enhancer

FoodCatNo	FoodCategory	MaxLevel	Notes	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	41	7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	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

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
-----------	--------------	----------	-------	------	------

MONOSTARCH PHOSPHATE

Function: bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	41	7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000 mg/kg		7	
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

FoodCatNo	FoodCategory	MaxLevel	Notes	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	161	Adopted	2007
01.3.2	Beverage whiteners	65 mg/kg	161	Adopted	2008
01.4.4	Cream analogues	33 mg/kg	161	Adopted	2008
01.5.2	Milk and cream powder analogues	65 mg/kg	161	Adopted	2008
01.6.5	Cheese analogues	33 mg/kg	161	Adopted	2008
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	100 mg/kg	161	Adopted	2007
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	10 mg/kg	161	Adopted	2008
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	100 mg/kg	161	Adopted	2007
03.0	Edible ices, including sherbet and sorbet	100 mg/kg	161	Adopted	2007
04.1.2.1	Frozen fruit	100 mg/kg	161	Adopted	2008
04.1.2.2	Dried fruit	100 mg/kg	161	Adopted	2008
04.1.2.3	Fruit in vinegar, oil, or brine	100 mg/kg	161	Adopted	2007
04.1.2.4	Canned or bottled (pasteurized) fruit	33 mg/kg	161	Adopted	2007
04.1.2.5	Jams, jellies, marmelades	70 mg/kg	161	Adopted	2007
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	70 mg/kg	161	Adopted	2007
04.1.2.7	Candied fruit	65 mg/kg	161	Adopted	2007

NEOTAME

Function: flavour enhancer, sweetener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	100 mg/kg	161	Adopted	2007
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	100 mg/kg	161	Adopted	2007
04.1.2.10	Fermented fruit products	65 mg/kg	161	Adopted	2007
04.1.2.11	Fruit fillings for pastries	100 mg/kg	161	Adopted	2007
04.1.2.12	Cooked fruit	65 mg/kg	161	Adopted	2007
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	161	Adopted	2008
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	161	Adopted	2008
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 soybean sauce	10 mg/kg	144	Adopted	2007
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	161	Adopted	2008
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	161	Adopted	2008
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	161	Adopted	2007
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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	33 mg/kg	161	Adopted	2007
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	161	Adopted	2008
05.1.2	Cocoa mixes (syrups)	33 mg/kg	97 & 161	Adopted	2007
05.1.3	Cocoa-based spreads, including fillings	100 mg/kg	161	Adopted	2007
05.1.4	Cocoa and chocolate products	80 mg/kg	161	Adopted	2007
05.1.5	Imitation chocolate, chocolate substitute products	100 mg/kg	161	Adopted	2007
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	330 mg/kg	158 & 161	Adopted	2007
05.3	Chewing gum	1000 mg/kg	161	Adopted	2007
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	100 mg/kg	161	Adopted	2007
06.3	Breakfast cereals, including rolled oats	160 mg/kg	161	Adopted	2007
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	33 mg/kg	161	Adopted	2007
07.1	Bread and ordinary bakery wares	70 mg/kg	161	Adopted	2008
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	80 mg/kg	161 & 165	Adopted	2008

NEOTAME

Function: flavour enhancer, sweetener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	10 mg/kg	161	Adopted	2008
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	10 mg/kg	161	Adopted	2008
10.4	Egg-based desserts (e.g., custard)	100 mg/kg	161	Adopted	2007
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	70 mg/kg	159	Adopted	2007
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	GMP		Adopted	2007
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	32 mg/kg	161	Adopted	2008
12.3	Vinegars	12 mg/kg	161	Adopted	2008
12.4	Mustards	12 mg/kg		Adopted	2007
12.5	Soups and broths	20 mg/kg	161	Adopted	2007
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	65 mg/kg		Adopted	2007
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	70 mg/kg		Adopted	2007
12.6.3	Mixes for sauces and gravies	12 mg/kg		Adopted	2007
12.6.4	Clear sauces (e.g., fish sauce)	12 mg/kg		Adopted	2007
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	161 & 166	Adopted	2007
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	33 mg/kg		Adopted	2007
13.4	Dietetic formulae for slimming purposes and weight reduction	33 mg/kg		Adopted	2007
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		Adopted	2007
13.6	Food supplements	90 mg/kg		Adopted	2007
14.1.3.2	Vegetable nectar	65 mg/kg	161	Adopted	2007
14.1.3.4	Concentrates for vegetable nectar	65 mg/kg	127 & 161	Adopted	2007
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	33 mg/kg	161	Adopted	2007
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	50 mg/kg	160	Adopted	2007
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	33 mg/kg		Adopted	2007
15.0	Ready-to-eat savouries	32 mg/kg		Adopted	2007

NISIN

Nisin INS: 234

Function: preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
-----------	--------------	----------	-------	------	------

NISIN

Function: preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.1	Milk and dairy-based drinks	500 mg/kg	28	3	
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	500 mg/kg	28	3	
01.3	Condensed milk and analogues (plain)	500 mg/kg	28	3	
01.4	Cream (plain) and the like	500 mg/kg	28	3	
01.4.3	Clotted cream (plain)	10 mg/kg	28	6	
01.5	Milk powder and cream powder and powder analogues (plain)	500 mg/kg	28	3	
01.6.1	Unripened cheese	500 mg/kg	28	3	
01.6.1	Unripened cheese	12.5 mg/kg	28	6	
01.6.2	Ripened cheese	500 mg/kg	28	3	
01.6.2	Ripened cheese	12.5 mg/kg	28	6	
01.6.4	Processed cheese	500 mg/kg	28	3	
01.6.4	Processed cheese	250 mg/kg	28	6	
01.6.5	Cheese analogues	500 mg/kg	28	3	
01.6.5	Cheese analogues	12.5 mg/kg	28	6	
01.6.6	Whey protein cheese	12.5 mg/kg	28		Adopted 2006
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	500 mg/kg	28	3	
01.8.1	Liquid whey and whey products, excluding whey cheeses	500 mg/kg	28	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	GMP	28	6	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	3 mg/kg	28	6	
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	250 mg/kg	28	6	
08.0	Meat and meat products, including poultry and game	500 mg/kg	28	3	
10.2.1	Liquid egg products	GMP	28	3	
12.5.1	Ready-to-eat soups and broths, including canned, bottled, and frozen	GMP	28	6	

NITRATES

Sodium nitrate

INS: 251

Potassium nitrate

INS: 252

Function: colour retention agent, preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.6.1	Unripened cheese	40 mg/kg	30	7	
01.6.2	Ripened cheese	40 mg/kg	30	7	
01.6.4	Processed cheese	40 mg/kg	30	7	

NITRATES

Function: colour retention agent, preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.6.5	Cheese analogues	40 mg/kg	30	7	
08.1	Fresh meat, poultry, and game	150 mg/kg	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	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	30	7	
08.2.1.3	Fermented non-heat treated processed meat, poultry, and game products in whole pieces or cuts	450 mg/kg	30	7	
08.2.2	Heat-treated processed meat, poultry, and game products in whole pieces or cuts	365 mg/kg	30	7	
08.2.3	Frozen processed meat, poultry, and game products in whole pieces or cuts	220 mg/kg	30	7	
08.3.1.1	Cured (including salted) non-heat treated processed comminuted meat, poultry, and game products	1250 mg/kg	30	7	
08.3.1.2	Cured (including salted) and dried non-heat treated processed comminuted meat, poultry, and game products	365 mg/kg	30	7	
08.3.1.3	Fermented non-heat treated processed comminuted meat, poultry, and game products	365 mg/kg	30	7	
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	365 mg/kg	30	7	
08.3.3	Frozen processed comminuted meat, poultry, and game products	365 mg/kg	30	7	
08.4	Edible casings (e.g., sausage casings)	150 mg/kg	30	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	150 mg/kg	30	7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	365 mg/kg	22 & 30	7	
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	220 mg/kg	30	7	
14.2.4	Wines (other than grape)	70 mg/kg	30 & 31	7	

NITRITES

Potassium nitrite

INS: 249

Sodium nitrite

INS: 250

Function: colour retention agent, preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.6.1	Unripened cheese	20 mg/kg	32	7	
01.6.2	Ripened cheese	20 mg/kg	32	7	
01.6.4	Processed cheese	20 mg/kg	32	7	
01.6.5	Cheese analogues	20 mg/kg	32	7	
08.1	Fresh meat, poultry, and game	130 mg/kg	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	32	7	

NITRITES

Function: colour retention agent, preservative

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

NITROGEN

Nitrogen

INS: 941

Function: propellant

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.1.1	Milk and buttermilk (plain)	GMP	59	7	
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	GMP	59	7	
01.4.1	Pasteurized cream (plain)	GMP	59	7	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	GMP	59	4	
02.1.2	Vegetable oils and fats	GMP	59	7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP	59	7	
04.1.1	Fresh fruit	GMP	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	59	7	
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	59	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	59	7	
13.1.1	Infant formulae	GMP	59	4	
13.1.3	Formulae for special medical purposes for infants	GMP	59	4	
13.2	Complementary foods for infants and young children	GMP	59	4	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	59	7	
14.2.3	Grape wines	GMP	59	7	

NITROUS OXIDE

NITROUS OXIDE

Nitrous oxide

INS: 942

Function: propellant

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		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	
12.1.2	Salt Substitutes	GMP		7	
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	GMP	51	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	

ORTHO-PHENYLPHENOLS

ORTHO-PHENYLPHENOLS

ortho-Phenylphenol

INS: 231

Sodium ortho-phenylphenol

INS: 232

Function: preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
04.1.1.2	Surface-treated fresh fruit	12 mg/kg	49	Adopted	1999

OXIDIZED STARCH

Oxidized starch

INS: 1404

Function: bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		7	
04.1.1.2	Surface-treated fresh fruit	GMP	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	16	7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	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	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	41	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	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	51	7	

OXIDIZED STARCH

Function: bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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: 1101(ii)

Function: flavour enhancer, flour treatment agent, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	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

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		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	20000 mg/kg		7	

PECTINS

Function: emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	16	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	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)	GMP		7	
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	51	7	
13.1.2	Follow-up formulae	10000 mg/kg	72	7	
13.2	Complementary foods for infants and young children	20000 mg/kg		7	
14.1.2.1	Fruit juice	GMP	35	Adopted	2005
14.1.2.3	Concentrates for fruit juice	GMP	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	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

Function: bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
-----------	--------------	----------	-------	------	------

PHOSPHATED DISTARCH PHOSPHATE

Function: bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	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	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	41	7	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000 mg/kg		7	
13.1.1	Infant formulae	5000 mg/kg	72 & 150	7	
13.1.2	Follow-up formulae	5000 mg/kg	72 & 150	7	
13.1.3	Formulae for special medical purposes for infants	5000 mg/kg	72 & 150	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: 339(i)
Disodium orthophosphate	INS: 339(ii)	Trisodium orthophosphate	INS: 339(iii)
Monopotassium orthophosphate	INS: 340(i)	Dipotassium orthophosphate	INS: 340(ii)
Tripotassium orthophosphate	INS: 340(iii)	Monocalcium orthophosphate	INS: 341(i)
Dicalcium orthophosphate	INS: 341(ii)	Tricalcium orthophosphate	INS: 341(iii)
Monoammonium orthophosphate	INS: 342(i)	Diammonium orthophosphate	INS: 342(ii)
Monomagnesium phosphate	INS: 343(i)	Dimagnesium orthophosphate	INS: 343(ii)
Trimagnesium orthophosphate	INS: 343(iii)	Disodium diphosphate	INS: 450(i)
Trisodium diphosphate	INS: 450(ii)	Tetrasodium diphosphate	INS: 450(iii)
Tetrapotassium diphosphate	INS: 450(v)	Dicalcium diphosphate	INS: 450(vi)
Calcium dihydrogen diphosphate	INS: 450(vii)	Pentasodium triphosphate	INS: 451(i)
Pentapotassium triphosphate	INS: 451(ii)	Sodium polyphosphate	INS: 452(i)
Potassium polyphosphate	INS: 452(ii)	Sodium calcium polyphosphate	INS: 452(iii)
Calcium polyphosphate	INS: 452(iv)	Ammonium polyphosphate	INS: 452(v)
Bone phosphate	INS: 542		

PHOSPHATES

Function: adjuvant, anticaking agent, antioxidant, acidity regulator, colour retention agent, emulsifier, firming agent, flavour enhancer, flour treatment agent, humectant, preservative, raising agent, sequestrant, stabilizer, thickener					
FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.1.1	Milk and buttermilk (plain)	1500 mg/kg	33	3	
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	1320 mg/kg	33	6	
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	2200 mg/kg	33	3	
01.3.1	Condensed milk (plain)	880 mg/kg	33 & 34	6	
01.3.2	Beverage whiteners	22000 mg/kg	33	6	
01.4	Cream (plain) and the like	2200 mg/kg	33	6	
01.5.1	Milk powder and cream powder (plain)	4400 mg/kg	33	6	
01.5.2	Milk and cream powder analogues	4400 mg/kg	33	3	
01.6.1	Unripened cheese	10000 mg/kg	33	6	
01.6.2	Ripened cheese	880 mg/kg	33	6	
01.6.4	Processed cheese	14050 mg/kg	33	6	
01.6.5	Cheese analogues	13200 mg/kg	33	6	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	10500 mg/kg	33	3	
01.8.1	Liquid whey and whey products, excluding whey cheeses	880 mg/kg	33	6	
01.8.2	Dried whey and whey products, excluding whey cheeses	4400 mg/kg	33	Adopted	2006
02.1.2	Vegetable oils and fats	220 mg/kg	33	6	
02.1.3	Lard, tallow, fish oil, and other animal fats	220 mg/kg	33	6	
02.2.1	Butter	880 mg/kg	33 & 34	Adopted	2008
02.2.2	Fat spreads, dairy fat spreads and blended spreads	2200 mg/kg	33	6	
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	2200 mg/kg	33	6	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	7000 mg/kg	33	6	
03.0	Edible ices, including sherbet and sorbet	12000 mg/kg	33	6	
04.1.2.1	Frozen fruit	200 mg/kg	33	6	
04.1.2.2	Dried fruit	10 mg/kg	33	6	
04.1.2.3	Fruit in vinegar, oil, or brine	2200 mg/kg	33	3	
04.1.2.3	Fruit in vinegar, oil, or brine	1100 mg/kg	33	6	
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg	33	6	
04.1.2.5	Jams, jellies, marmelades	530 mg/kg	33	6	
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	1100 mg/kg	33	6	
04.1.2.7	Candied fruit	10 mg/kg	33	6	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	7000 mg/kg	33	6	

PHOSPHATES

Function: adjuvant, anticaking agent, antioxidant, acidity regulator, colour retention agent, emulsifier, firming agent, flavour enhancer, flour treatment agent, humectant, preservative, raising agent, sequestrant, stabilizer, thickener					
FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	7000 mg/kg	33	6	
04.1.2.10	Fermented fruit products	2200 mg/kg	33	6	
04.1.2.11	Fruit fillings for pastries	7000 mg/kg	33	6	
04.2.1.1	Untreated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes [(including soybeans)], and aloe vera), seaweeds, and nuts and seeds	200 mg/kg	33	6	
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	1760 mg/kg	16 & 33	6	
04.2.1.3	Peeled, cut or shredded fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	5600 mg/kg	33 & 76	3	
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	5000 mg/kg	33 & 76	6	
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	5000 mg/kg	33 & 76	6	
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce	2200 mg/kg	33	6	
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	2200 mg/kg	33	6	
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	2200 mg/kg	33 & 76	6	
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	2200 mg/kg	33	6	
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	2200 mg/kg	33 & 76	6	
04.2.2.8	Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	2200 mg/kg	33 & 76	6	
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	6000 mg/kg	33	6	
05.1.3	Cocoa-based spreads, including fillings	220 mg/kg	33	6	
05.1.4	Cocoa and chocolate products	2200 mg/kg	33	6	
05.1.5	Imitation chocolate, chocolate substitute products	2200 mg/kg	33	6	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	2200 mg/kg	33	6	
05.3	Chewing gum	44000 mg/kg	33	6	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	7000 mg/kg	33	6	
06.1	Whole, broken, or flaked grain, including rice	440 mg/kg	33	6	

PHOSPHATES

Function: adjuvant, anticaking agent, antioxidant, acidity regulator, colour retention agent, emulsifier, firming agent, flavour enhancer, flour treatment agent, humectant, preservative, raising agent, sequestrant, stabilizer, thickener					
FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
06.2.1	Flours	11900 mg/kg	33	6	
06.2.2	Starches	6200 mg/kg	33	3	
06.3	Breakfast cereals, including rolled oats	2200 mg/kg	33	6	
06.4.1	Fresh pastas and noodles and like products	2000 mg/kg	33	3	
06.4.2	Dried pastas and noodles and like products	2200 mg/kg	33	6	
06.4.3	Pre-cooked pastas and noodles and like products	2200 mg/kg	33	3	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	7000 mg/kg	33	6	
06.6	Batters (e.g., for breading or batters for fish or poultry)	5600 mg/kg	33	3	
07.0	Bakery wares	9300 mg/kg	33	6	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	1100 mg/kg	33	6	
08.1.2	Fresh meat, poultry, and game, comminuted	2200 mg/kg	33	6	
08.2.1	Non-heat treated processed meat, poultry, and game products in whole pieces or cuts	2200 mg/kg	33	6	
08.2.2	Heat-treated processed meat, poultry, and game products in whole pieces or cuts	3100 mg/kg	33	6	
08.2.3	Frozen processed meat, poultry, and game products in whole pieces or cuts	2200 mg/kg	33	6	
08.3	Processed comminuted meat, poultry, and game products	2200 mg/kg	33	6	
08.4	Edible casings (e.g., sausage casings)	1100 mg/kg	33	6	
09.1.1	Fresh fish	GMP	33	6	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	2200 mg/kg	33	6	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	2200 mg/kg	33	6	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	2200 mg/kg	33	6	
09.2.4.1	Cooked fish and fish products	2200 mg/kg	33	6	
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	2200 mg/kg	33	6	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	2200 mg/kg	33	3	
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	2200 mg/kg	33	3	
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	2200 mg/kg	33	6	
09.3.3	Salmon substitutes, caviar, and other fish roe products	2200 mg/kg	33	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	2200 mg/kg	33	6	
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	2200 mg/kg	33	6	
10.2.1	Liquid egg products	4400 mg/kg	33 & 67	6	
10.2.2	Frozen egg products	1290 mg/kg	33	6	

PHOSPHATES

Function: adjuvant, anticaking agent, antioxidant, acidity regulator, colour retention agent, emulsifier, firming agent, flavour enhancer, flour treatment agent, humectant, preservative, raising agent, sequestrant, stabilizer, thickener					
FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
10.2.3	Dried and/or heat coagulated egg products	GMP	33	6	
10.3	Preserved eggs, including alkaline, salted, and canned eggs	1000 mg/kg	33	6	
10.4	Egg-based desserts (e.g., custard)	7000 mg/kg	33	6	
11.1.2	Powdered sugar, powdered dextrose	6600 mg/kg	33 & 56	Adopted	2006
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	1320 mg/kg	33	6	
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	1000 mg/kg	33	6	
12.1.1	Salt	8800 mg/kg	33	Adopted	2006
12.1.2	Salt Substitutes	4400 mg/kg	33	6	
12.2.1	Herbs and spices	GMP	33	6	
12.2.2	Seasonings and condiments	4400 mg/kg	33	3	
12.4	Mustards	1320 mg/kg	33	6	
12.5.1	Ready-to-eat soups and broths, including canned, bottled, and frozen	1320 mg/kg	33	6	
12.5.2	Mixes for soups and broths	6600 mg/kg	33	6	
12.6	Sauces and like products	8000 mg/kg	33	6	
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	GMP	33	6	
13.2	Complementary foods for infants and young children	2200 mg/kg	33	6	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	2200 mg/kg	33	6	
13.4	Dietetic formulae for slimming purposes and weight reduction	2200 mg/kg	33	6	
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	2200 mg/kg	33	6	
13.6	Food supplements	2200 mg/kg	33	6	
14.1.2.1	Fruit juice	1000 mg/kg	33, 40 & 122	Adopted	2005
14.1.2.2	Vegetable juice	2500 mg/kg	33 & 88	6	
14.1.2.3	Concentrates for fruit juice	1000 mg/kg	33, 40, 122 & 127	Adopted	2005
14.1.2.4	Concentrates for vegetable juice	2500 mg/kg	3 & 88	6	
14.1.3.1	Fruit nectar	1000 mg/kg	33, 40 & 122	Adopted	2005
14.1.3.2	Vegetable nectar	2500 mg/kg	33 & 88	6	
14.1.3.3	Concentrates for fruit nectar	1000 mg/kg	33, 40, 122 & 127	Adopted	2005
14.1.3.4	Concentrates for vegetable nectar	2500 mg/kg	3 & 88	6	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	12000 mg/kg	33	6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	880 mg/kg	33	6	

PHOSPHATES

Function: adjuvant, anticaking agent, antioxidant, acidity regulator, colour retention agent, emulsifier, firming agent, flavour enhancer, flour treatment agent, humectant, preservative, raising agent, sequestrant, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
14.2.1	Beer and malt beverages	440 mg/kg	33	6	
14.2.2	Cider and perry	880 mg/kg	33	6	
14.2.3	Grape wines	440 mg/kg	33	6	
14.2.4	Wines (other than grape)	440 mg/kg	33	6	
14.2.5	Mead	440 mg/kg	33	6	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	440 mg/kg	33	6	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	12000 mg/kg	33	6	
15.0	Ready-to-eat savouries	2200 mg/kg	33	6	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	2000 mg/kg	33	6	

PIMARICIN (NATAMYCIN)

Pimaricin (Natamycin)

INS: 235

Function: preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.6.1	Unripened cheese	40 mg/kg	3 & 80	Adopted	2006
01.6.2	Ripened cheese	40 mg/kg	3 & 80	Adopted	2006
01.6.4	Processed cheese	40 mg/kg	3 & 80	Adopted	2006
01.6.5	Cheese analogues	40 mg/kg	3 & 80	Adopted	2006
01.6.6	Whey protein cheese	40 mg/kg	3 & 80	Adopted	2006
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	3 & 81	Adopted	2001

POLYDEXTROSES A AND N

Polydextroses A and N

INS: 1200

Function: bulking agent, humectant, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP		7	

POLYDEXTROSES A AND N

Function: bulking agent, humectant, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
09.2.4	Cooked and/or fried 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	
11.2	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	
12.2.1	Herbs and spices	GMP	51	7	

POLYDIMETHYLSILOXANE

Polydimethylsiloxane

INS: 900a

Function: anticaking agent, antifoaming agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.5.1	Milk powder and cream powder (plain)	10 mg/kg		Adopted	1999
02.1.2	Vegetable oils and fats	10 mg/kg		Adopted	2006
02.1.3	Lard, tallow, fish oil, and other animal fats	10 mg/kg		Adopted	2006
02.2.2	Fat spreads, dairy fat spreads and blended spreads	10 mg/kg	152	Adopted	2007
04.1.2.3	Fruit in vinegar, oil, or brine	10 mg/kg		Adopted	1999
04.1.2.4	Canned or bottled (pasteurized) fruit	10 mg/kg		Adopted	1999
04.1.2.5	Jams, jellies, marmelades	30 mg/kg		Adopted	1999
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	10 mg/kg		Adopted	1999
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	110 mg/kg		Adopted	1999
04.1.2.10	Fermented fruit products	10 mg/kg		Adopted	2008
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	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 soybean 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

POLYDIMETHYLSILOXANE

Function: anticaking agent, antifoaming agent

FoodCatNo	FoodCategory	MaxLevel	Notes	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	50 mg/kg		Adopted	2004
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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	10 mg/kg		Adopted	2008
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
06.4.3	Pre-cooked pastas and noodles and like products	50 mg/kg	153	Adopted	2007
06.6	Batters (e.g., for breading or batters for fish or poultry)	10 mg/kg		Adopted	1999
12.5	Soups and broths	10 mg/kg		Adopted	1999
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

FoodCatNo	FoodCategory	MaxLevel	Notes	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

Polyglycerol esters of fatty acids

INS: 475

Function: adjuvant, crystallization inhibitor, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
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	
02.1.2	Vegetable oils and fats	20000 mg/kg		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	20000 mg/kg		7	
02.2.2	Fat spreads, dairy fat spreads and blended spreads	20000 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	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	

POLYGLYCEROL ESTERS OF FATTY ACIDS

Function: adjuvant, crystallization inhibitor, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	
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	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	

POLYGLYCEROL ESTERS OF FATTY ACIDS

Function: adjuvant, crystallization inhibitor, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
02.1.2	Vegetable oils and fats	10000 mg/kg		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	10000 mg/kg		7	
02.2.2	Fat spreads, dairy fat spreads and blended spreads	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	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	97	4	
05.1.4	Cocoa and chocolate products	5000 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	

POLYGLYCEROL ESTERS OF INTERESTERIFIED RICINOLEIC ACID

Function: emulsifier, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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

Function: emulsifier, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
02.1.2	Vegetable oils and fats	5000 mg/kg		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	5000 mg/kg		7	
05.3	Chewing gum	20000 mg/kg		7	
06.4.3	Pre-cooked pastas and noodles and like products	5000 mg/kg	2	4	
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	

POLYOXYETHYLENE STEARATES

Function: emulsifier, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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: adjuvant, antifoaming agent, emulsifier, flour treatment agent, foaming agent, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	3000 mg/kg		Adopted	2008
01.3.2	Beverage whiteners	4000 mg/kg		Adopted	2007
01.4.1	Pasteurized cream (plain)	1000 mg/kg		Adopted	2008
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	1000 mg/kg		Adopted	2008
01.4.3	Clotted cream (plain)	1000 mg/kg		Adopted	2008
01.4.4	Cream analogues	5000 mg/kg		Adopted	2005
01.5.2	Milk and cream powder analogues	4000 mg/kg		Adopted	2007
01.6.1	Unripened cheese	80 mg/kg	38	Adopted	2008
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	3000 mg/kg		Adopted	2007
02.1.2	Vegetable oils and fats	5000 mg/kg	102	Adopted	2007
02.1.3	Lard, tallow, fish oil, and other animal fats	5000 mg/kg	102	Adopted	2007
02.2.2	Fat spreads, dairy fat spreads and blended spreads	5000 mg/kg	102	Adopted	2007
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	5000 mg/kg	102	Adopted	2007
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	3000 mg/kg	102	Adopted	2007
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	1000 mg/kg	154	Adopted	2007
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	3000 mg/kg		Adopted	2007
04.1.2.11	Fruit fillings for pastries	3000 mg/kg		Adopted	2007
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		Adopted	2007

POLYSORBATES

Function: adjuvant, antifoaming agent, emulsifier, flour treatment agent, foaming agent, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
05.1.2	Cocoa mixes (syrups)	500 mg/kg		Adopted	2007
05.1.3	Cocoa-based spreads, including fillings	1000 mg/kg		Adopted	2007
05.1.4	Cocoa and chocolate products	5000 mg/kg	101	Adopted	2007
05.1.5	Imitation chocolate, chocolate substitute products	5000 mg/kg		Adopted	2007
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	2007
05.3	Chewing gum	5000 mg/kg		Adopted	2007
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	3000 mg/kg		Adopted	2007
06.4.2	Dried pastas and noodles and like products	5000 mg/kg		Adopted	2008
06.4.3	Pre-cooked pastas and noodles and like products	5000 mg/kg	153	Adopted	2007
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	2	Adopted	2007
07.1.1	Breads and rolls	3000 mg/kg		Adopted	2008
07.1.2	Crackers, excluding sweet crackers	5000 mg/kg	11	Adopted	2008
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	3000 mg/kg	11	Adopted	2008
07.1.4	Bread-type products, including bread stuffing and bread crumbs	3000 mg/kg	11	Adopted	2008
07.1.5	Steamed breads and buns	3000 mg/kg	11	Adopted	2008
07.1.6	Mixes for bread and ordinary bakery wares	3000 mg/kg	11	Adopted	2008
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	3000 mg/kg		Adopted	2008
08.2	Processed meat, poultry, and game products in whole pieces or cuts	5000 mg/kg		Adopted	2007
08.3	Processed comminuted meat, poultry, and game products	5000 mg/kg		Adopted	2007
08.4	Edible casings (e.g., sausage casings)	1500 mg/kg		Adopted	2007
10.4	Egg-based desserts (e.g., custard)	3000 mg/kg		Adopted	2007
12.1.1	Salt	10 mg/kg		Adopted	2006
12.2.1	Herbs and spices	2000 mg/kg		Adopted	2008
12.2.2	Seasonings and condiments	5000 mg/kg		Adopted	2007
12.5	Soups and broths	1000 mg/kg		Adopted	2005
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	3000 mg/kg		Adopted	2007
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	5000 mg/kg		Adopted	2007
12.6.3	Mixes for sauces and gravies	5000 mg/kg	127	Adopted	2007
12.6.4	Clear sauces (e.g., fish sauce)	5000 mg/kg		Adopted	2007
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		Adopted	2007

POLYSORBATES

Function: adjuvant, antifoaming agent, emulsifier, flour treatment agent, foaming agent, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	1000 mg/kg		Adopted	2005
13.4	Dietetic formulae for slimming purposes and weight reduction	1000 mg/kg		Adopted	2005
13.6	Food supplements	25000 mg/kg		Adopted	2007
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	500 mg/kg	127	Adopted	2007
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	120 mg/kg		Adopted	2007
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	120 mg/kg		Adopted	2007
16.0	Composite foods - foods that could not be placed in categories 01 - 15	1000 mg/kg		6	

POLYVINYL ALCOHOL

Polyvinyl alcohol INS: 1203

Function: glazing agent, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
13.6	Food supplements	45000 mg/kg		Adopted	2007

POLYVINYLPIRROLIDONE

Polyvinylpyrrolidone INS: 1201

Function: adjuvant, emulsifier, glazing agent, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	36	Adopted	1999
14.2.2	Cider and perry	2 mg/kg	36	Adopted	1999

PONCEAU 4R (COCHINEAL RED A)

Ponceau 4R (Cochineal red A) INS: 124

PONCEAU 4R (COCHINEAL RED A)

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	52 & 161	Adopted	2008
01.6.1	Unripened cheese	100 mg/kg	3 & 161	Adopted	2008
01.6.2.2	Rind of ripened cheese	100 mg/kg		Adopted	2008
01.6.4.2	Flavoured processed cheese, including containing fruit, vegetables, meat, etc.	100 mg/kg		Adopted	2008
01.6.5	Cheese analogues	100 mg/kg	3	Adopted	2008
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	150 mg/kg	161	Adopted	2008
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	50 mg/kg		Adopted	2008
03.0	Edible ices, including sherbet and sorbet	50 mg/kg		Adopted	2008
04.1.2.4	Canned or bottled (pasteurized) fruit	300 mg/kg	161	Adopted	2008
04.1.2.5	Jams, jellies, marmelades	100 mg/kg	161	Adopted	2008
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/kg	161	Adopted	2008
04.1.2.7	Candied fruit	200 mg/kg	161	Adopted	2008
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	50 mg/kg	161 & 182	Adopted	2008
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	50 mg/kg	161	Adopted	2008
04.1.2.11	Fruit fillings for pastries	50 mg/kg	161	Adopted	2008
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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	500 mg/kg	161	Adopted	2008
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	300 mg/kg	161 & 183	Adopted	2008
05.1.5	Imitation chocolate, chocolate substitute products	50 mg/kg		Adopted	2008
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	300 mg/kg	161	Adopted	2008
05.3	Chewing gum	300 mg/kg		Adopted	2008
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	50 mg/kg		Adopted	2008
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	50 mg/kg		Adopted	2008
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	50 mg/kg		Adopted	2008
08.4	Edible casings (e.g., sausage casings)	500 mg/kg	16	Adopted	2008
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	16 & 95	Adopted	2008
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	16 & 95	Adopted	2008

PONCEAU 4R (COCHINEAL RED A)

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
09.2.4.1	Cooked fish and fish products	500 mg/kg	95	Adopted	2008
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	250 mg/kg		Adopted	2008
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg	22	Adopted	2008
09.3.3	Salmon substitutes, caviar, and other fish roe products	500 mg/kg		Adopted	2008
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	2008
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg		Adopted	2008
10.1	Fresh eggs	500 mg/kg	4	Adopted	2008
10.4	Egg-based desserts (e.g., custard)	50 mg/kg		Adopted	2008
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	300 mg/kg	159	Adopted	2008
12.2.2	Seasonings and condiments	500 mg/kg		Adopted	2008
12.4	Mustards	300 mg/kg		Adopted	2008
12.5	Soups and broths	50 mg/kg		Adopted	2008
12.6	Sauces and like products	50 mg/kg		Adopted	2008
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		Adopted	2008
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	50 mg/kg		Adopted	2008
13.4	Dietetic formulae for slimming purposes and weight reduction	50 mg/kg		Adopted	2008
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	2008
13.6	Food supplements	300 mg/kg		Adopted	2008
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	50 mg/kg		Adopted	2008
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	200 mg/kg		Adopted	2008
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	200 mg/kg		Adopted	2008
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	200 mg/kg		Adopted	2008
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	100 mg/kg		Adopted	2008
16.0	Composite foods - foods that could not be placed in categories 01 - 15	500 mg/kg		6	

POTASSIUM ACETATES

Potassium acetates

INS: 261

POTASSIUM ACETATES

Function: acidity regulator

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		7	
13.2	Complementary foods for infants and young children	GMP		7	

POTASSIUM ALGINATE

Potassium alginate INS: 402

Function: emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		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	
13.2	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

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		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	70	7	

POTASSIUM ASCORBATE

Function: antioxidant

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	99	7	
13.2	Complementary foods for infants and young children	500 mg/kg	70	7	
14.1.2.1	Fruit juice	GMP		Adopted	2005
14.1.2.3	Concentrates for fruit juice	GMP	127	Adopted	2005
14.1.3.1	Fruit nectar	GMP		Adopted	2005
14.1.3.3	Concentrates for fruit nectar	GMP	127	Adopted	2005
14.2.3	Grape wines	GMP		7	

POTASSIUM CARBONATE

Potassium carbonate

INS: 501(i)

Function: acidity regulator, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	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	
01.8.2	Dried whey and whey products, excluding whey cheeses	GMP		Adopted	2006
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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	41	7	
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	GMP	51	4	
13.1.1	Infant formulae	2000 mg/kg	55 & 72	7	
13.1.2	Follow-up formulae	GMP	72	7	
13.1.3	Formulae for special medical purposes for infants	2000 mg/kg	55 & 72	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	
14.2.3	Grape wines	5000 mg/kg		7	

POTASSIUM CHLORIDE

POTASSIUM CHLORIDE

Potassium chloride INS: 508

Function: gelling agent, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
01.8.2	Dried whey and whey products, excluding whey cheeses	GMP			Adopted 2006
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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	30000 mg/kg		7	
12.1.2	Salt Substitutes	GMP		4	
12.2.1	Herbs and spices	GMP	51	4	
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: 332(i)

Function: antioxidant, acidity regulator, emulsifier, sequestrant, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
01.8.2	Dried whey and whey products, excluding whey cheeses	GMP			Adopted 2006
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		7	
04.1.1.2	Surface-treated fresh fruit	GMP	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	16	7	

POTASSIUM DIHYDROGEN CITRATE

Function: antioxidant, acidity regulator, emulsifier, sequestrant, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	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	61	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	61	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	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	51	7	
13.1.1	Infant formulae	GMP	72	7	
13.1.2	Follow-up formulae	GMP	72	4	
13.1.3	Formulae for special medical purposes for infants	GMP	72	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: 501(ii)

Function: acidity regulator, raising agent, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
01.8.2	Dried whey and whey products, excluding whey cheeses	GMP			Adopted 2006
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	41	7	
13.1.1	Infant formulae	2000 mg/kg	55 & 72	7	
13.1.2	Follow-up formulae	GMP	72	7	
13.1.3	Formulae for special medical purposes for infants	2000 mg/kg	55 & 72	4	
13.2	Complementary foods for infants and young children	GMP		7	

POTASSIUM HYDROGEN CARBONATE

Function: acidity regulator, raising agent, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
14.2.3	Grape wines	5000 mg/kg		7	

POTASSIUM HYDROXIDE

Potassium hydroxide INS: 525

Function: acidity regulator, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.8.2	Dried whey and whey products, excluding whey cheeses	GMP		Adopted	2006
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP		7	
13.1.1	Infant formulae	2000 mg/kg	55 & 72	7	
13.1.2	Follow-up formulae	GMP	72	7	
13.1.3	Formulae for special medical purposes for infants	2000 mg/kg	55 & 72	4	
13.2	Complementary foods for infants and young children	GMP		7	

POTASSIUM INOSINATE

Potassium inosinate INS: 632

Function: flavour enhancer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	51	7	

POTASSIUM LACTATE

Potassium lactate INS: 326

Function: antioxidant, acidity regulator

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		7	
08.1	Fresh meat, poultry, and game	20000 mg/kg		7	
13.2	Complementary foods for infants and young children	GMP		7	

POWDERED CELLULOSE

POWDERED CELLULOSE

Powdered cellulose

INS: 460(ii)

Function: anticaking agent, bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.1.1.2	Buttermilk (plain)	GMP		7	
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation	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	
01.8.2	Dried whey and whey products, excluding whey cheeses	10000 mg/kg		Adopted	2006
04.1.1.2	Surface-treated fresh fruit	GMP	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	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	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	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	16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	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	51	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	

PROCESSED EUCHEUMA SEAWEED (PES)

Processed eucheuma seaweed (PES)

INS: 407a

PROCESSED EUCHEUMA SEAWEED (PES)

Function: stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	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	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	GMP		4	
12.2.1	Herbs and spices	GMP	51	7	

PROCESSED EUCHEUMA SEAWEED (PES)

Function: stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	

PROPIONIC ACID

Propionic acid INS: 280

Function: preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.6.6	Whey protein cheese	3000 mg/kg	70	Adopted	2006

PROPYL GALLATE

Propyl gallate INS: 310

Function: antioxidant

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.5.1	Milk powder and cream powder (plain)	200 mg/kg	15, 75 & 130	Adopted	2001
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	90 mg/kg	2, 15 & 130	Adopted	2001
02.1.1	Butter oil, anhydrous milkfat, ghee	100 mg/kg	15, 133 & 171	Adopted	2006
02.1.2	Vegetable oils and fats	200 mg/kg	15 & 130	Adopted	2006
02.1.3	Lard, tallow, fish oil, and other animal fats	200 mg/kg	15 & 130	Adopted	2006
02.2.2	Fat spreads, dairy fat spreads and blended spreads	200 mg/kg	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	15 & 130	Adopted	2004
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	200 mg/kg	15 & 130	Adopted	2004
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	90 mg/kg	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	15, 76 & 130	Adopted	2001
05.1	Cocoa products and chocolate products including imitations and chocolate substitutes	200 mg/kg	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	15 & 130	Adopted	2001
05.3	Chewing gum	1000 mg/kg	130	Adopted	2001
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	200 mg/kg	15 & 130	Adopted	2001
06.1	Whole, broken, or flaked grain, including rice	100 mg/kg	15 & 130	Adopted	2001
06.3	Breakfast cereals, including rolled oats	200 mg/kg	15 & 130	Adopted	2001
06.4.3	Pre-cooked pastas and noodles and like products	200 mg/kg	15 & 130	3	

PROPYL GALLATE

Function: antioxidant

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
06.4.3	Pre-cooked pastas and noodles and like products	100 mg/kg	15 & 130	Adopted	2001
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	90 mg/kg	2, 15 & 130	Adopted	2001
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	100 mg/kg	15 & 130	Adopted	2001
07.2.3	Mixes for fine bakery wares (e.g., cakes, pancakes)	200 mg/kg	15 & 130	Adopted	2001
08.2	Processed meat, poultry, and game products in whole pieces or cuts	200 mg/kg	15 & 130	Adopted	2001
08.3	Processed comminuted meat, poultry, and game products	200 mg/kg	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	15 & 130	Adopted	2001
10.4	Egg-based desserts (e.g., custard)	90 mg/kg	2, 15 & 130	Adopted	2001
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	200 mg/kg	15 & 130	Adopted	2001
12.5	Soups and broths	200 mg/kg	15 & 130	3	
12.5.2	Mixes for soups and broths	200 mg/kg	15 & 130	Adopted	2001
12.6	Sauces and like products	200 mg/kg	15 & 130	Adopted	2001
13.6	Food supplements	400 mg/kg	15 & 130	Adopted	2001
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	1000 mg/kg	15 & 130	Adopted	2001
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	200 mg/kg	15 & 130	Adopted	2005
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	200 mg/kg	15 & 130	Adopted	2005

PROPYLENE GLYCOL

Propylene glycol

INS: 1520

Function: adjuvant, anticaking agent, antifoaming agent, carrier solvent, emulsifier, flour treatment agent, humectant, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	

PROPYLENE GLYCOL

Function: adjuvant, anticaking agent, antifoaming agent, carrier solvent, emulsifier, flour treatment agent, humectant, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	50000 mg/kg	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	72	7	
07.1	Bread and ordinary bakery wares	10000 mg/kg		7	
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	22	7	
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	GMP		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	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

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.1.1.2	Buttermilk (plain)	3000 mg/kg		7	

PROPYLENE GLYCOL ALGINATE

Function: adjuvant, bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	
01.6.2.3	Cheese powder (for reconstitution; e.g., for cheese sauces)	16000 mg/kg		7	
01.6.4	Processed cheese	9000 mg/kg		7	
01.6.5	Cheese analogues	9000 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	11000 mg/kg		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	11000 mg/kg		7	
02.2.2	Fat spreads, dairy fat spreads and blended spreads	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 soybean sauce	6000 mg/kg		7	

PROPYLENE GLYCOL ALGINATE

Function: adjuvant, bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	10000 mg/kg	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	
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	
13.2	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	

PROPYLENE GLYCOL ALGINATE

Function: adjuvant, bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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

FoodCatNo	FoodCategory	MaxLevel	Notes	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	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
02.1.2	Vegetable oils and fats	10000 mg/kg		Adopted	2006
02.1.3	Lard, tallow, fish oil, and other animal fats	10000 mg/kg		Adopted	2006
02.2.2	Fat spreads, dairy fat spreads and blended spreads	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	40000 mg/kg		Adopted	2006
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
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	5000 mg/kg	97	Adopted	2007

PROPYLENE GLYCOL ESTERS OF FATTY ACIDS

Function: emulsifier, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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
06.4.3	Pre-cooked pastas and noodles and like products	5000 mg/kg	2 & 153	Adopted	2007
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	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

Protease INS: 1101(i)

Function: enzyme, flavour enhancer, flour treatment agent, glazing agent

FoodCatNo	FoodCategory	MaxLevel	Notes	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	

PULLULAN

Pullulan INS: 1204

Function: glazing agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
04.1.1	Fresh fruit	30000 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	30000 mg/kg		4	

PULLULAN

Function: glazing agent

FoodCatNo	FoodCategory	MaxLevel	Notes	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	30000 mg/kg		4	
06.2.1	Flours	50000 mg/kg		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	
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms	30000 mg/kg		4	
10.2.1	Liquid egg products	20000 mg/kg		4	
10.2.2	Frozen egg products	20000 mg/kg		4	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000 mg/kg		4	
12.2.1	Herbs and spices	30000 mg/kg		4	
13.2	Complementary foods for infants and young children	30000 mg/kg		4	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	4000 mg/kg		4	

QUILLAIA EXTRACTS

Quillaia extract type I

INS: 999(i)

Quillaia extract type 2

INS: 999(ii)

Function: foaming agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	50 mg/kg	132 & 168	Adopted	2007

QUINOLINE YELLOW

Quinoline yellow

INS: 104

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	52	7	
01.6.1	Unripened cheese	GMP	3	7	
01.6.2.2	Rind of ripened cheese	GMP		7	
01.6.4	Processed cheese	200 mg/kg		7	
01.6.5	Cheese analogues	GMP	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	

QUINOLINE YELLOW

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
03.0	Edible ices, including sherbet and sorbet	150 mg/kg		7	
04.1.1.2	Surface-treated fresh fruit	500 mg/kg	4 & 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	182	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	4 & 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 soybean 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	92	7	
05.1	Cocoa products and chocolate products including imitations and chocolate substitutes	300 mg/kg	183	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	4 & 16	7	
09.1.1	Fresh fish	300 mg/kg	4, 16 & 50	7	
09.1.2	Fresh mollusks, crustaceans, and echinoderms	500 mg/kg	4 & 16	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	95	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	16	7	

QUINOLINE YELLOW

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	16	7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	22	7	
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	500 mg/kg	16	7	
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	500 mg/kg	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	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	
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

Red 2G INS: 128

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
08.1.2	Fresh meat, poultry, and game, comminuted	25 mg/kg	4 & 16	7	
10.1	Fresh eggs	GMP	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, synthetic INS: 101(i) Riboflavin 5'-phosphate sodium INS: 101(ii)

Riboflavin (Bacillus subtilis) INS: 101(iii)

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	52	Adopted	2008
01.3.2	Beverage whiteners	300 mg/kg		Adopted	2005
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
01.6.4	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
02.2.2	Fat spreads, dairy fat spreads and blended spreads	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		Adopted	2008
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	4 & 16	Adopted	2008
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

RIBOFLAVINS

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	300 mg/kg	182	Adopted	2008
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	300 mg/kg		Adopted	2005
04.1.2.10	Fermented fruit products	500 mg/kg		Adopted	2008
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	4 & 16	Adopted	2008
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 soybean sauce	500 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	300 mg/kg	92	Adopted	2008
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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	500 mg/kg		Adopted	2008
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
06.4.3	Pre-cooked pastas and noodles and like products	300 mg/kg	153	Adopted	2008
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
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	300 mg/kg		Adopted	2005
08.2	Processed meat, poultry, and game products in whole pieces or cuts	1000 mg/kg	16	Adopted	2008
08.3	Processed comminuted meat, poultry, and game products	1000 mg/kg	16	Adopted	2008
08.4	Edible casings (e.g., sausage casings)	1000 mg/kg	16	Adopted	2008
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	1000 mg/kg	95	Adopted	2008
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	16	Adopted	2005
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	16	Adopted	2005
09.2.4.1	Cooked fish and fish products	300 mg/kg	95	Adopted	2008
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	300 mg/kg		Adopted	2008
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	16	Adopted	2005

RIBOFLAVINS

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	22	Adopted	2005
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	300 mg/kg	16	Adopted	2005
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	300 mg/kg	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	95	Adopted	2008
10.1	Fresh eggs	300 mg/kg	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	Soups and broths	200 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
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
14.1.4	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
14.2.7	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

SACCHARINS

SACCHARINS

Saccharin	INS: 954(i)	Calcium saccharin	INS: 954(ii)
Potassium saccharin	INS: 954(iii)	Sodium saccharin	INS: 954(iv)

Function: sweetener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	80 mg/kg	161	Adopted	2007
01.6.5	Cheese analogues	100 mg/kg	161	Adopted	2008
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	100 mg/kg	161	Adopted	2007
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	100 mg/kg	161	Adopted	2007
03.0	Edible ices, including sherbet and sorbet	100 mg/kg	161	Adopted	2007
04.1.2.3	Fruit in vinegar, oil, or brine	160 mg/kg	144	Adopted	2007
04.1.2.4	Canned or bottled (pasteurized) fruit	200 mg/kg	161	Adopted	2007
04.1.2.5	Jams, jellies, marmelades	200 mg/kg	161	Adopted	2007
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	200 mg/kg	161	Adopted	2007
04.1.2.7	Candied fruit	2000 mg/kg	161	3	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	200 mg/kg	161	Adopted	2007
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	100 mg/kg	161	Adopted	2007
04.1.2.10	Fermented fruit products	160 mg/kg	161	Adopted	2008
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	161	Adopted	2008
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	161	Adopted	2008
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 soybean sauce	160 mg/kg	144	Adopted	2007
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	160 mg/kg	144 & 161	Adopted	2008
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)	160 mg/kg	161	Adopted	2008
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	161	Adopted	2008
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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	200 mg/kg	161	Adopted	2008

SACCHARINS

Function: sweetener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	160 mg/kg	144 & 161	Adopted	2008
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	100 mg/kg	97 & 161	Adopted	2008
05.1.2	Cocoa mixes (syrups)	80 mg/kg	161	Adopted	2007
05.1.3	Cocoa-based spreads, including fillings	200 mg/kg	161	Adopted	2007
05.1.4	Cocoa and chocolate products	500 mg/kg	161	Adopted	2007
05.1.5	Imitation chocolate, chocolate substitute products	500 mg/kg	161	Adopted	2007
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	500 mg/kg	161 & 163	Adopted	2007
05.3	Chewing gum	2500 mg/kg	161	Adopted	2007
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	500 mg/kg	161	Adopted	2007
06.3	Breakfast cereals, including rolled oats	100 mg/kg	161	Adopted	2008
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	100 mg/kg	161	Adopted	2007
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	170 mg/kg	165	Adopted	2007
08.2.2	Heat-treated processed meat, poultry, and game products in whole pieces or cuts	500 mg/kg	161	Adopted	2008
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	500 mg/kg	161	Adopted	2008
09.2.4.1	Cooked fish and fish products	500 mg/kg	161	Adopted	2008
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	160 mg/kg	144	Adopted	2007
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	160 mg/kg	144	Adopted	2007
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	160 mg/kg	144	Adopted	2007
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	200 mg/kg	144	Adopted	2007
10.4	Egg-based desserts (e.g., custard)	100 mg/kg	144	Adopted	2007
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	300 mg/kg	159	Adopted	2008
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	GMP		Adopted	2007
12.2.2	Seasonings and condiments	1500 mg/kg	161	Adopted	2008
12.3	Vinegars	300 mg/kg		Adopted	2008
12.4	Mustards	320 mg/kg		Adopted	2007
12.5	Soups and broths	110 mg/kg	161	Adopted	2007
12.6	Sauces and like products	160 mg/kg		Adopted	2007
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	161 & 166	6	

SACCHARINS

Function: sweetener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	200 mg/kg		Adopted	2007
13.4	Dietetic formulae for slimming purposes and weight reduction	300 mg/kg		Adopted	2007
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	200 mg/kg		Adopted	2007
13.6	Food supplements	1200 mg/kg		Adopted	2007
14.1.3.1	Fruit nectar	80 mg/kg		Adopted	2005
14.1.3.2	Vegetable nectar	80 mg/kg	161	Adopted	2008
14.1.3.3	Concentrates for fruit nectar	80 mg/kg	127	Adopted	2005
14.1.3.4	Concentrates for vegetable nectar	300 mg/kg	127 & 161	6	
14.1.4.1	Carbonated water-based flavoured drinks	300 mg/kg	161	Adopted	2008
14.1.4.2	Non-carbonated water-based flavoured drinks, including punches and ades	300 mg/kg	161	Adopted	2008
14.1.4.3	Concentrates (liquid or solid) for water-based flavoured drinks	300 mg/kg	127 & 161	Adopted	2008
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	200 mg/kg	160	Adopted	2007
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	80 mg/kg		Adopted	2007
15.0	Ready-to-eat savouries	100 mg/kg		Adopted	2007

SALTS OF MYRISTIC, PALMITIC & STEARIC ACIDS WITH AMMONIA, CALCIUM, POTASSIUM AND SODIUM

Salts of myristic, palmitic and stearic acids INS: 470(i)
with ammonia, calcium, potassium and sodium

Function: anticaking agent, emulsifier, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	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	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	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	16 & 71	7	
08.1.2	Fresh meat, poultry, and game, comminuted	GMP	71	7	

SALTS OF MYRISTIC, PALMITIC & STEARIC ACIDS WITH AMMONIA, CALCIUM, POTASSIUM

Function: anticaking agent, emulsifier, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	16 & 71	7	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	71	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	16 & 71	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	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	71	7	
12.1.1	Salt	GMP	71	Adopted	2006
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	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 WITH CALCIUM, POTASSIUM AND SODIUM

Salts of oleic acid with calcium, potassium and sodium INS: 470(ii)

Function: anticaking agent, emulsifier, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	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	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	16	7	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	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	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	16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	16	7	

SALTS OF OLEIC ACID WITH CALCIUM, POTASSIUM AND SODIUM

Function: anticaking agent, emulsifier, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	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

FoodCatNo	FoodCategory	MaxLevel	Notes	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	79	Adopted	2003
05.1.4	Cocoa and chocolate products	GMP	3	Adopted	2001
05.1.5	Imitation chocolate, chocolate substitute products	GMP	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	3	Adopted	2001
05.3	Chewing gum	GMP	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	3	Adopted	2001
13.6	Food supplements	GMP	3	Adopted	2001
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP	108	Adopted	2001
15.0	Ready-to-eat savouries	GMP	3	Adopted	2001

SILICON DIOXIDE, AMORPHOUS

Silicon dioxide, amorphous INS: 551

Function: anticaking agent, filter aid

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.8.2	Dried whey and whey products, excluding whey cheeses	10000 mg/kg		Adopted	2006

SILICON DIOXIDE, AMORPHOUS

Function: anticaking agent, filter aid

FoodCatNo	FoodCategory	MaxLevel	Notes	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	
11.1.2	Powdered sugar, powdered dextrose	15000 mg/kg	56	Adopted	2006
12.1.1	Salt	GMP		Adopted	2006
12.1.2	Salt Substitutes	10000 mg/kg		7	
12.2.1	Herbs and spices	GMP	51	4	
13.2	Complementary foods for infants and young children	10000 mg/kg	65	7	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	15000 mg/kg	2	4	

SODIUM ACETATE

Sodium acetate

INS: 262(i)

Function: acidity regulator, preservative, sequestrant

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
02.1.2	Vegetable oils and fats	5000 mg/kg		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	5000 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	
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	GMP		4	
06.1	Whole, broken, or flaked grain, including rice	6000 mg/kg		7	
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	51	4	

SODIUM ACETATE

Function: acidity regulator, preservative, sequestrant

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		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	
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	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	

SODIUM ALGINATE

Function: bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	
13.2	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: 541(i)

Sodium aluminium phosphate-basic

INS: 541(ii)

Function: acidity regulator, emulsifier, raising agent, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.6.1	Unripened cheese	670 mg/kg	6	3	
01.6.4	Processed cheese	35000 mg/kg	29	6	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	2000 mg/kg	6	6	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	2000 mg/kg	6	6	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	2000 mg/kg	6	6	
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	2000 mg/kg	6 & 72	6	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	350 mg/kg	29	3	
06.2.1	Flours	45000 mg/kg	29	6	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	2000 mg/kg	6	6	
06.6	Batters (e.g., for breading or batters for fish or poultry)	1600 mg/kg	6	6	
07.1	Bread and ordinary bakery wares	2000 mg/kg	6	6	
07.2.1	Cakes, cookies and pies (e.g., fruit-filled or custard types)	2000 mg/kg	6	6	
07.2.2	Other fine bakery products (e.g., doughnuts, sweet rolls, scones, and muffins)	2000 mg/kg	6	6	
07.2.3	Mixes for fine bakery wares (e.g., cakes, pancakes)	15300 mg/kg	29	6	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	190 mg/kg	6 & 41	6	
10.4	Egg-based desserts (e.g., custard)	2000 mg/kg	6	6	
12.5.2	Mixes for soups and broths	2000 mg/kg	6 & 127	6	
12.6.3	Mixes for sauces and gravies	2000 mg/kg	6 & 127	6	
14.1.4.3	Concentrates (liquid or solid) for water-based flavoured drinks	2000 mg/kg	6 & 127	6	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	190 mg/kg	6	6	

SODIUM ALUMINOSILICATE

SODIUM ALUMINOSILICATE

Sodium aluminosilicate

INS: 554

Function: anticaking agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	20000 mg/kg	6	3	
01.3	Condensed milk and analogues (plain)	20000 mg/kg	6	3	
01.4.4	Cream analogues	20000 mg/kg	6	3	
01.5	Milk powder and cream powder and powder analogues (plain)	10000 mg/kg	6 & 174	3	
01.6.2.1	Ripened cheese, includes rind	10000 mg/kg	6, 174 & 177	3	
01.6.2.3	Cheese powder (for reconstitution; e.g., for cheese sauces)	10000 mg/kg	6 & 174	3	
01.6.4	Processed cheese	10000 mg/kg	6, 174 & 177	3	
01.6.5	Cheese analogues	10000 mg/kg	6, 174 & 177	3	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	10000 mg/kg	6 & 174	3	
01.8.1	Liquid whey and whey products, excluding whey cheeses	20000 mg/kg	6	3	
01.8.2	Dried whey and whey products, excluding whey cheeses	10000 mg/kg	6 & 174	3	
01.8.2	Dried whey and whey products, excluding whey cheeses	10000 mg/kg		Adopted	2006
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	20000 mg/kg	6	3	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP	3, 6 & 174	3	
05.3	Chewing gum	GMP	3, 6 & 174	3	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP	3, 6 & 174	3	
06.1	Whole, broken, or flaked grain, including rice	GMP		6	
06.3	Breakfast cereals, including rolled oats	20000 mg/kg	6	3	
06.4.3	Pre-cooked pastas and noodles and like products	20000 mg/kg	6	3	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	20000 mg/kg	6	3	
06.6	Batters (e.g., for breading or batters for fish or poultry)	20000 mg/kg	6	3	
07.1.6	Mixes for bread and ordinary bakery wares	10000 mg/kg	6 & 174	3	
07.2.3	Mixes for fine bakery wares (e.g., cakes, pancakes)	10000 mg/kg	6	3	
08.3	Processed comminuted meat, poultry, and game products	GMP	6, 174 & 179	3	
08.4	Edible casings (e.g., sausage casings)	GMP	3, 6 & 174	3	
10.2.3	Dried and/or heat coagulated egg products	20000 mg/kg	6	3	
11.1.2	Powdered sugar, powdered dextrose	10000 mg/kg	6 & 174	3	
11.1.2	Powdered sugar, powdered dextrose	15000 mg/kg	56	Adopted	2006

SODIUM ALUMINOSILICATE

Function: anticaking agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
12.1.1	Salt	20000 mg/kg	6	3	
12.1.1	Salt	GMP		Adopted	2006
12.1.2	Salt Substitutes	10000 mg/kg		6	
12.2.2	Seasonings and condiments	30000 mg/kg	6 & 174	3	
12.5.2	Mixes for soups and broths	10000 mg/kg	6 & 174	3	
12.6.3	Mixes for sauces and gravies	10000 mg/kg	6 & 174	3	
13.6	Food supplements	GMP	6 & 174	3	
14.1.4.3	Concentrates (liquid or solid) for water-based flavoured drinks	10000 mg/kg	6 & 174	3	

SODIUM ASCORBATE

Sodium ascorbate

INS: 301

Function: antioxidant, colour retention agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
02.1.2	Vegetable oils and fats	200 mg/kg		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	200 mg/kg		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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	
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	

SODIUM ASCORBATE

Function: antioxidant, colour retention agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	51	4	
13.1.2	Follow-up formulae	50 mg/kg	70 & 72	7	
13.2	Complementary foods for infants and young children	3000 mg/kg		7	
14.1.2.1	Fruit juice	GMP		Adopted	2005
14.1.2.3	Concentrates for fruit juice	GMP	127	Adopted	2005
14.1.3.1	Fruit nectar	GMP		Adopted	2005
14.1.3.3	Concentrates for fruit nectar	GMP	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: 500(i)

Function: anticaking agent, acidity regulator, raising agent, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	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	
01.8.2	Dried whey and whey products, excluding whey cheeses	GMP		Adopted	2006
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		7	
02.2.1	Butter	GMP		Adopted	2008
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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	

SODIUM CARBONATE

Function: anticaking agent, acidity regulator, raising agent, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	41	7	
12.1.2	Salt Substitutes	GMP		4	
12.2.1	Herbs and spices	GMP	51	4	
13.1.1	Infant formulae	2000 mg/kg	55 & 72	7	
13.1.2	Follow-up formulae	GMP	72	7	
13.1.3	Formulae for special medical purposes for infants	2000 mg/kg	55 & 72	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 (CELLULOSE GUM)

Sodium carboxymethyl cellulose (Cellulose INS: 466 gum)

Function: bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
04.1.1.2	Surface-treated fresh fruit	GMP	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	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	

SODIUM CARBOXYMETHYL CELLULOSE (CELLULOSE GUM)

Function: bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms	GMP	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	41 & 61	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	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		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	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		7	

SODIUM DIACETATE

Sodium diacetate

INS: 262(ii)

Function: acidity regulator, preservative, sequestrant

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
02.1.2	Vegetable oils and fats	1000 mg/kg		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	1000 mg/kg		7	
02.2.2	Fat spreads, dairy fat spreads and blended spreads	1000 mg/kg		4	
02.2.2	Fat spreads, dairy fat spreads and blended spreads	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 soybean 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	

SODIUM DIACETATE

Function: acidity regulator, preservative, sequestrant

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	
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: 331(i)

Function: antioxidant, acidity regulator, emulsifier, sequestrant, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
01.8.2	Dried whey and whey products, excluding whey cheeses	GMP		Adopted	2006
02.1.1	Butter oil, anhydrous milkfat, ghee	GMP	171	Adopted	2006
02.1.2	Vegetable oils and fats	GMP		7	

SODIUM DIHYDROGEN CITRATE

Function: antioxidant, acidity regulator, emulsifier, sequestrant, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		7	
04.1.1.2	Surface-treated fresh fruit	GMP	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	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	61	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	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	51	7	
13.1.1	Infant formulae	GMP	72	4	
13.1.2	Follow-up formulae	GMP	72	4	
13.1.3	Formulae for special medical purposes for infants	GMP	72	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 FUMARATES

Sodium fumarates

INS: 365

Function: acidity regulator

FoodCatNo	FoodCategory	MaxLevel	Notes	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	GMP		4	

SODIUM FUMARATES

Function: acidity regulator

FoodCatNo	FoodCategory	MaxLevel	Notes	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	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

FoodCatNo	FoodCategory	MaxLevel	Notes	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	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: 500(ii)

Function: anticaking agent, acidity regulator, raising agent, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	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	
01.8.2	Dried whey and whey products, excluding whey cheeses	GMP			Adopted 2006
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	Butter	GMP			Adopted 2008
06.2.1	Flours	45000 mg/kg		7	

SODIUM HYDROGEN CARBONATE

Function: anticaking agent, acidity regulator, raising agent, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	41	7	
13.1.1	Infant formulae	2000 mg/kg	55 & 72	7	
13.1.2	Follow-up formulae	GMP	72	7	
13.1.3	Formulae for special medical purposes for infants	2000 mg/kg	55 & 72	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

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.2.1.2	Fermented milks (plain), heat-treated after fermentation	GMP		4	
01.8.2	Dried whey and whey products, excluding whey cheeses	GMP		Adopted	2006
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		7	
02.2.1	Butter	GMP		Adopted	2008
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	2000 mg/kg	55 & 72	7	
13.1.2	Follow-up formulae	GMP	72	7	
13.1.3	Formulae for special medical purposes for infants	2000 mg/kg	55 & 72	4	
13.2	Complementary foods for infants and young children	GMP		7	

SODIUM ISOASCORBATE

Sodium isoascorbate

INS: 316

Function: antioxidant, colour retention agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	
04.1.1.3	Peeled or cut fresh fruit	GMP		7	

SODIUM ISOASCORBATE

Function: antioxidant, colour retention agent

FoodCatNo	FoodCategory	MaxLevel	Notes	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	GMP		4	
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	
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 LACTATE

Sodium lactate

INS: 325

Function: acidity regulator, antioxidant, bulking agent, emulsifier, humectant, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	
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	

SODIUM LACTATE

Function: acidity regulator, antioxidant, bulking agent, emulsifier, humectant, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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: 350(ii)

Function: acidity regulator, humectant

FoodCatNo	FoodCategory	MaxLevel	Notes	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	51	4	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	GMP		4	

SODIUM PROPIONATE

Sodium propionate INS: 281

Function: preservative

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.6.6	Whey protein cheese	3000 mg/kg	70	Adopted	2006

SODIUM SESQUICARBONATE

Sodium sesquicarbonate INS: 500(iii)

Function: acidity regulator, anticaking agent, raising agent

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
01.8.2	Dried whey and whey products, excluding whey cheeses	GMP		Adopted	2006
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		7	

SORBATES

Function: antioxidant, preservative, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
04.1.2.7	Candied fruit	1000 mg/kg	42	6	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	1500 mg/kg	42	6	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	1000 mg/kg	42	6	
04.1.2.10	Fermented fruit products	1000 mg/kg	42	6	
04.1.2.11	Fruit fillings for pastries	1000 mg/kg	42	6	
04.1.2.12	Cooked fruit	1200 mg/kg	42	6	
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soybean sauce	2000 mg/kg	42	6	
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	1000 mg/kg	42	6	
04.2.2.5	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	2000 mg/kg	42	6	
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	2000 mg/kg	42	6	
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	1000 mg/kg	42	6	
04.2.2.8	Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	2000 mg/kg	42	6	
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	1500 mg/kg	42	6	
05.1.2	Cocoa mixes (syrups)	1000 mg/kg	42	6	
05.1.3	Cocoa-based spreads, including fillings	1500 mg/kg	42	6	
05.1.4	Cocoa and chocolate products	1000 mg/kg	42	6	
05.1.5	Imitation chocolate, chocolate substitute products	1500 mg/kg	42	6	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	2000 mg/kg	42	6	
05.3	Chewing gum	1500 mg/kg	42	6	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	1000 mg/kg	42	6	
06.2	Flours and starches (including soybean powder)	1000 mg/kg	42	6	
06.4.2	Dried pastas and noodles and like products	2000 mg/kg	42	6	
06.4.3	Pre-cooked pastas and noodles and like products	2000 mg/kg	42	6	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	1000 mg/kg	42	6	
06.6	Batters (e.g., for breading or batters for fish or poultry)	2000 mg/kg	42	6	
07.0	Bakery wares	2000 mg/kg	42	6	

SORBATES

Function: antioxidant, preservative, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
08.2	Processed meat, poultry, and game products in whole pieces or cuts	2000 mg/kg	42	6	
08.3	Processed comminuted meat, poultry, and game products	2000 mg/kg	42	6	
08.4	Edible casings (e.g., sausage casings)	GMP	42	6	
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	2000 mg/kg	42	6	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	2000 mg/kg	42	6	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	2000 mg/kg	42	6	
09.2.4.1	Cooked fish and fish products	2000 mg/kg	42	6	
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	2000 mg/kg	42 & 82	6	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	2000 mg/kg	42	6	
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	2000 mg/kg	42	6	
10.2.1	Liquid egg products	5000 mg/kg	42	6	
10.2.2	Frozen egg products	1000 mg/kg	42	6	
10.2.3	Dried and/or heat coagulated egg products	1000 mg/kg	42	6	
10.4	Egg-based desserts (e.g., custard)	1000 mg/kg	42	6	
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	1000 mg/kg	42	6	
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	1000 mg/kg	42	6	
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	1000 mg/kg	42	6	
12.3	Vinegars	1000 mg/kg	42	6	
12.4	Mustards	1500 mg/kg	42	6	
12.5	Soups and broths	1000 mg/kg	42	6	
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	3350 mg/kg	42	6	
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	2000 mg/kg	42	6	
12.6.3	Mixes for sauces and gravies	2000 mg/kg	42	6	
12.6.4	Clear sauces (e.g., fish sauce)	2000 mg/kg	42	6	
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa- and nut-based spreads of food categories 04.2.2.5 and 05.1.3	1500 mg/kg	42	6	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	1500 mg/kg	42	6	
13.4	Dietetic formulae for slimming purposes and weight reduction	1500 mg/kg	42	6	
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	2000 mg/kg	42	6	
13.6	Food supplements	2000 mg/kg	42	6	
14.1.2.1	Fruit juice	1000 mg/kg	42, 91 & 122	Adopted 2005	

SORBATES

Function: antioxidant, preservative, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
14.1.2.2	Vegetable juice	1000 mg/kg	42	6	
14.1.2.3	Concentrates for fruit juice	1000 mg/kg	42, 91, 122 & 127	Adopted	2005
14.1.2.4	Concentrates for vegetable juice	1000 mg/kg	42	6	
14.1.3.1	Fruit nectar	1000 mg/kg	42, 91 & 122	Adopted	2005
14.1.3.2	Vegetable nectar	1000 mg/kg	42	6	
14.1.3.3	Concentrates for fruit nectar	1000 mg/kg	42, 91, 122 & 127	Adopted	2005
14.1.3.4	Concentrates for vegetable nectar	1000 mg/kg	42	6	
14.1.4.1	Carbonated water-based flavoured drinks	1000 mg/kg	42	6	
14.1.4.2	Non-carbonated water-based flavoured drinks, including punches and ades	1000 mg/kg	42	6	
14.1.4.3	Concentrates (liquid or solid) for water-based flavoured drinks	1500 mg/kg	42	6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	1000 mg/kg	42	6	
14.2.1	Beer and malt beverages	500 mg/kg	42	6	
14.2.2	Cider and perry	1000 mg/kg	42	6	
14.2.3	Grape wines	2000 mg/kg	42	6	
14.2.4	Wines (other than grape)	1000 mg/kg	42	6	
14.2.5	Mead	1000 mg/kg	42	6	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	600 mg/kg	42	6	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	500 mg/kg	42	6	
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	1000 mg/kg	42	6	
15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	1000 mg/kg	42	6	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	1000 mg/kg	42	6	

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

FoodCatNo	FoodCategory	MaxLevel	Notes	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	

SORBITAN ESTERS OF FATTY ACIDS

Function: emulsifier, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	
02.1.2	Vegetable oils and fats	10000 mg/kg		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	10000 mg/kg		7	
02.2.2	Fat spreads, dairy fat spreads and blended spreads	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	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	11	4	
06.4.3	Pre-cooked pastas and noodles and like products	5000 mg/kg	11	4	
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	11	7	
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	10000 mg/kg	11	7	
07.1.4	Bread-type products, including bread stuffing and bread crumbs	5000 mg/kg	11	7	
07.1.5	Steamed breads and buns	5000 mg/kg	11	7	
07.1.6	Mixes for bread and ordinary bakery wares	5000 mg/kg	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	

SORBITAN ESTERS OF FATTY ACIDS

Function: emulsifier, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	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	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

Sorbitol INS: 420(i)

Function: bulking agent, humectant, sequestrant, stabilizer, sweetener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	200000 mg/kg		4	
04.1.1.2	Surface-treated fresh fruit	GMP	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	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	70000 mg/kg		4	

SORBITOL

Function: bulking agent, humectant, sequestrant, stabilizer, sweetener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	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	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	16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	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	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	51	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	

SORBITOL SYRUP

Sorbitol syrup

INS: 420(ii)

Function: bulking agent, humectant, sequestrant, stabilizer, sweetener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
01.4.2	Sterilized and UHT creams, whipping and whipped creams, and reduced fat creams (plain)	200000 mg/kg		4	
04.1.1.2	Surface-treated fresh fruit	GMP	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	16	7	

SORBITOL SYRUP

Function: bulking agent, humectant, sequestrant, stabilizer, sweetener

FoodCatNo	FoodCategory	MaxLevel	Notes	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	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	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	16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	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	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	51	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

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
04.1.2.4	Canned or bottled (pasteurized) fruit	20 mg/kg	43	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	25 mg/kg	43	Adopted	2001
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	20 mg/kg	43	Adopted	2001

STANNOUS CHLORIDE

Function: antioxidant, colour retention agent, preservative, sequestrant

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
-----------	--------------	----------	-------	------	------

STARCH ACETATE

Starch acetate INS: 1420

Function: binder, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	41	7	
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

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		7	
13.2	Complementary foods for infants and young children	50000 mg/kg		7	

STARCHES, ENZYME TREATED

Starches, enzyme treated INS: 1405

Function: bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	GMP		4	
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		7	

STARCHES, ENZYME TREATED

Function: bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	10000 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	

STEAROYL LACTYLATES

Sodium stearoyl lactylate

INS: 481(i)

Calcium stearoyl lactylate

INS: 482(i)

Function: emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	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	
02.1.2	Vegetable oils and fats	3000 mg/kg		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	3000 mg/kg		7	
02.2.2	Fat spreads, dairy fat spreads and blended spreads	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	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	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	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	

STEAROYL LACTYLATES

Function: emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	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	
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	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	

STEAROYL LACTYLATES

Function: emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
02.1.2	Vegetable oils and fats	GMP		Adopted	2006
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		Adopted	2006
02.2.2	Fat spreads, dairy fat spreads and blended spreads	100 mg/kg	15	3	
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 (TRICHLOROGALACTOSUCROSE)

Sucralose (Trichlorogalactosucrose) INS: 955

Function: sweetener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	161	Adopted	2007
01.3.2	Beverage whiteners	580 mg/kg	161	Adopted	2008
01.4.4	Cream analogues	580 mg/kg	161	Adopted	2008
01.5.2	Milk and cream powder analogues	400 mg/kg		3	
01.6.5	Cheese analogues	500 mg/kg	161	Adopted	2008
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	400 mg/kg	161	Adopted	2007
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	400 mg/kg	161	Adopted	2007
03.0	Edible ices, including sherbet and sorbet	320 mg/kg	161	Adopted	2007
04.1.2.1	Frozen fruit	400 mg/kg	161	Adopted	2008
04.1.2.2	Dried fruit	1500 mg/kg	161	Adopted	2008
04.1.2.3	Fruit in vinegar, oil, or brine	180 mg/kg	144	Adopted	2007
04.1.2.4	Canned or bottled (pasteurized) fruit	400 mg/kg	161	Adopted	2007
04.1.2.5	Jams, jellies, marmelades	400 mg/kg	161	Adopted	2007
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	400 mg/kg	161	Adopted	2007
04.1.2.7	Candied fruit	800 mg/kg	161	Adopted	2007

SUCRALOSE (TRICHLOROGALACTOSUCROSE)

Function: sweetener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	400 mg/kg	161	Adopted	2007
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	400 mg/kg	161	Adopted	2007
04.1.2.10	Fermented fruit products	150 mg/kg	161	Adopted	2007
04.1.2.11	Fruit fillings for pastries	400 mg/kg	161	Adopted	2007
04.1.2.12	Cooked fruit	150 mg/kg	161	Adopted	2008
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	161	Adopted	2008
04.2.2.2	Dried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	580 mg/kg	161	Adopted	2008
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 soybean sauce	400 mg/kg		Adopted	2007
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	580 mg/kg	161	Adopted	2008
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)	400 mg/kg	161 & 169	Adopted	2007
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	400 mg/kg	161	Adopted	2007
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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	580 mg/kg	161	Adopted	2008
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	144 & 161	Adopted	2008
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	580 mg/kg	97	Adopted	2007
05.1.2	Cocoa mixes (syrups)	400 mg/kg	97 & 161	Adopted	2007
05.1.3	Cocoa-based spreads, including fillings	400 mg/kg	161 & 169	Adopted	2007
05.1.4	Cocoa and chocolate products	800 mg/kg	161	Adopted	2007
05.1.5	Imitation chocolate, chocolate substitute products	800 mg/kg	161	Adopted	2007
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	1800 mg/kg	161 & 164	Adopted	2008
05.3	Chewing gum	5000 mg/kg	161	Adopted	2007
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	1000 mg/kg	161	Adopted	2008
06.3	Breakfast cereals, including rolled oats	1000 mg/kg	161	Adopted	2008
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	400 mg/kg	161	Adopted	2007
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	200 mg/kg	72	Adopted	2007

SUCRALOSE (TRICHLOROGALACTOSUCROSE)

Function: sweetener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
07.1	Bread and ordinary bakery wares	650 mg/kg	161	Adopted	2008
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	700 mg/kg	161 & 165	Adopted	2008
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms	120 mg/kg	144	Adopted	2007
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	120 mg/kg	144	Adopted	2007
10.4	Egg-based desserts (e.g., custard)	400 mg/kg	161	Adopted	2007
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	1500 mg/kg	159 & 161	Adopted	2008
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	GMP		Adopted	2007
12.2.1	Herbs and spices	400 mg/kg	161	Adopted	2008
12.2.2	Seasonings and condiments	700 mg/kg	161	Adopted	2008
12.3	Vinegars	400 mg/kg	161	Adopted	2008
12.4	Mustards	140 mg/kg		Adopted	2007
12.5	Soups and broths	600 mg/kg	161	Adopted	2008
12.6	Sauces and like products	450 mg/kg	127	Adopted	2007
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	161 & 169	Adopted	2007
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	400 mg/kg		Adopted	2007
13.4	Dietetic formulae for slimming purposes and weight reduction	320 mg/kg		Adopted	2007
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1 - 13.4 and 13.6	400 mg/kg		Adopted	2007
13.6	Food supplements	2400 mg/kg		Adopted	2007
14.1.3.1	Fruit nectar	300 mg/kg		Adopted	2005
14.1.3.2	Vegetable nectar	300 mg/kg	161	Adopted	2007
14.1.3.3	Concentrates for fruit nectar	300 mg/kg	127	Adopted	2005
14.1.3.4	Concentrates for vegetable nectar	300 mg/kg	127 & 161	Adopted	2007
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	300 mg/kg	127 & 161	Adopted	2007
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	300 mg/kg	160 & 161	Adopted	2007
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	700 mg/kg	161	Adopted	2008
15.0	Ready-to-eat savouries	1000 mg/kg	161	Adopted	2008

SUCROGLYCERIDES

Sucroglycerides

INS: 474

SUCROGLYCERIDES

Function: emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	5000 mg/kg		6	
01.3.2	Beverage whiteners	20000 mg/kg		6	
01.5.1	Milk powder and cream powder (plain)	10000 mg/kg		6	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	5000 mg/kg		6	
02.2.2	Fat spreads, dairy fat spreads and blended spreads	10000 mg/kg		6	
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	10000 mg/kg		6	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	10000 mg/kg		6	
03.0	Edible ices, including sherbet and sorbet	10000 mg/kg		3	
04.1.1.2	Surface-treated fresh fruit	GMP		6	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	5000 mg/kg		6	
04.2.2.6	Vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	5000 mg/kg		6	
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	10000 mg/kg		6	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	5000 mg/kg		6	
05.3	Chewing gum	15000 mg/kg		6	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	5000 mg/kg		6	
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	10000 mg/kg		6	
08.2.2	Heat-treated processed meat, poultry, and game products in whole pieces or cuts	5000 mg/kg	15	6	
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	5000 mg/kg	15	6	
10.4	Egg-based desserts (e.g., custard)	5000 mg/kg		6	
12.5	Soups and broths	2000 mg/kg		6	
12.6	Sauces and like products	10000 mg/kg		6	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	5000 mg/kg		6	
13.4	Dietetic formulae for slimming purposes and weight reduction	5000 mg/kg		6	
13.6	Food supplements	GMP		6	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	5000 mg/kg		6	
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	1000 mg/kg		6	
14.2.2	Cider and perry	5000 mg/kg		6	
14.2.4	Wines (other than grape)	5000 mg/kg		6	

SUCROGLYCERIDES

Function: emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
14.2.5	Mead	5000 mg/kg		6	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	5000 mg/kg		6	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	5000 mg/kg		6	

SUCROSE ACETATE ISOBUTYRATE

Sucrose acetate isobutyrate INS: 444

Function: acidity regulator, adjuvant, emulsifier, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	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

Function: adjuvant, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
02.2.2	Fat spreads, dairy fat spreads and blended spreads	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	

SUCROSE ESTERS OF FATTY ACIDS

Function: adjuvant, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	
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	15	7	
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	5000 mg/kg	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	
12.5	Soups and broths	5000 mg/kg		7	
12.6	Sauces and like products	10000 mg/kg		7	
13.2	Complementary foods for infants and young children	5000 mg/kg		7	

SUCROSE ESTERS OF FATTY ACIDS

Function: adjuvant, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	

SULFITES

Sulfur dioxide	INS: 220	Sodium sulfite	INS: 221
Sodium hydrogen sulfite	INS: 222	Sodium metabisulfite	INS: 223
Potassium metabisulfite	INS: 224	Potassium sulfite	INS: 225
Calcium hydrogen sulfite	INS: 227	Potassium bisulfite	INS: 228
Sodium thiosulfate	INS: 539		

Function: antioxidant, bleaching agent (not for flour), preservative, flour treatment agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
04.1.1.2	Surface-treated fresh fruit	50 mg/kg	44	Adopted	2006
04.1.2.1	Frozen fruit	500 mg/kg	44 & 155	Adopted	2007
04.1.2.2	Dried fruit	1000 mg/kg	44 & 135	Adopted	2006
04.1.2.3	Fruit in vinegar, oil, or brine	100 mg/kg	44	Adopted	2006
04.1.2.5	Jams, jellies, marmelades	100 mg/kg	44	Adopted	2008
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	500 mg/kg	44	Adopted	2006
04.1.2.7	Candied fruit	100 mg/kg	44	Adopted	2006
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	500 mg/kg	44	Adopted	2006

SULFITES

Function: antioxidant, bleaching agent (not for flour), preservative, flour treatment agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	100 mg/kg	44	Adopted	2008
04.1.2.10	Fermented fruit products	100 mg/kg	44	Adopted	2008
04.1.2.11	Fruit fillings for pastries	100 mg/kg	44	Adopted	2006
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	50 mg/kg	44, 76 & 136	Adopted	2006
04.2.2.1	Frozen vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds	50 mg/kg	44, 76, 136 & 137	Adopted	2006
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	44 & 105	Adopted	2006
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 soybean sauce	100 mg/kg	44	Adopted	2006
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	50 mg/kg	44	Adopted	2006
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	44 & 138	Adopted	2006
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	44	Adopted	2006
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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	500 mg/kg	44	Adopted	2006
06.2.1	Flours	200 mg/kg	44	Adopted	2006
06.2.2	Starches	50 mg/kg	44	Adopted	2006
06.4.3	Pre-cooked pastas and noodles and like products	20 mg/kg	44	Adopted	2006
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	50 mg/kg	44	Adopted	2006
09.1.2	Fresh mollusks, crustaceans, and echinoderms	100 mg/kg	44	Adopted	2006
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg	44 & 139	Adopted	2006
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	150 mg/kg	44	Adopted	2007
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	30 mg/kg	44	Adopted	2007
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	150 mg/kg	44 & 140	Adopted	2007
11.1.1	White sugar, dextrose anhydrous, dextrose monohydrate, fructose	15 mg/kg	44	Adopted	2005
11.1.2	Powdered sugar, powdered dextrose	15 mg/kg	44	Adopted	2005
11.1.3	Soft white sugar, soft brown sugar, glucose syrup, dried glucose syrup, raw cane sugar	20 mg/kg	44 & 111	Adopted	2006
11.1.5	Plantation or mill white sugar	70 mg/kg	44	Adopted	2005

SULFITES

Function: antioxidant, bleaching agent (not for flour), preservative, flour treatment agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
11.2	Brown sugar excluding products of food category 11.1.3	40 mg/kg	44	Adopted	2006
11.3	Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3	70 mg/kg	44	Adopted	2007
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)	40 mg/kg	44	Adopted	2006
12.2.1	Herbs and spices	150 mg/kg	44	Adopted	2006
12.2.2	Seasonings and condiments	200 mg/kg	44	Adopted	2006
12.3	Vinegars	100 mg/kg	44	Adopted	2006
12.4	Mustards	250 mg/kg	44 & 106	Adopted	2007
12.6	Sauces and like products	300 mg/kg	44	Adopted	2007
14.1.2.1	Fruit juice	50 mg/kg	44 & 122	Adopted	2005
14.1.2.2	Vegetable juice	50 mg/kg	44 & 122	Adopted	2006
14.1.2.3	Concentrates for fruit juice	50 mg/kg	44, 122 & 127	Adopted	2005
14.1.2.4	Concentrates for vegetable juice	50 mg/kg	44, 122 & 127	Adopted	2006
14.1.3.1	Fruit nectar	50 mg/kg	44 & 122	Adopted	2005
14.1.3.2	Vegetable nectar	50 mg/kg	44 & 122	Adopted	2006
14.1.3.3	Concentrates for fruit nectar	50 mg/kg	44, 122 & 127	Adopted	2005
14.1.3.4	Concentrates for vegetable nectar	50 mg/kg	44, 122 & 127	Adopted	2006
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	70 mg/kg	44, 127 & 143	Adopted	2006
14.2.1	Beer and malt beverages	50 mg/kg	44	Adopted	2006
14.2.2	Cider and perry	200 mg/kg	44	Adopted	2006
14.2.3	Grape wines	350 mg/kg	44 & 103	Adopted	2006
14.2.4	Wines (other than grape)	200 mg/kg	44	Adopted	2006
14.2.5	Mead	200 mg/kg	44	Adopted	2006
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	200 mg/kg	44	Adopted	2006
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	350 mg/kg	44 & 170	Adopted	2007
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	50 mg/kg	44	Adopted	2006

SUNSET YELLOW FCF

Sunset yellow FCF

INS: 110

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
-----------	--------------	----------	-------	------	------

SUNSET YELLOW FCF

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, egnog, drinking yoghurt, whey-based drinks)	300 mg/kg	52	Adopted	2008
01.6.1	Unripened cheese	300 mg/kg	3	Adopted	2008
01.6.2.2	Rind of ripened cheese	300 mg/kg		Adopted	2008
01.6.4	Processed cheese	200 mg/kg	3	Adopted	2008
01.6.5	Cheese analogues	300 mg/kg	3	Adopted	2008
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	161	Adopted	2008
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	50 mg/kg		Adopted	2008
03.0	Edible ices, including sherbet and sorbet	50 mg/kg		Adopted	2008
04.1.2.5	Jams, jellies, marmelades	300 mg/kg	161	Adopted	2008
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	300 mg/kg	161	Adopted	2008
04.1.2.7	Candied fruit	200 mg/kg	161	Adopted	2008
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	300 mg/kg	161 & 182	Adopted	2008
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	50 mg/kg	161	Adopted	2008
04.1.2.11	Fruit fillings for pastries	300 mg/kg	161	Adopted	2008
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	4 & 16	Adopted	2008
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	92	Adopted	2008
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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	200 mg/kg	92	Adopted	2008
05.1.2	Cocoa mixes (syrops)	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	161 & 183	Adopted	2008
05.1.5	Imitation chocolate, chocolate substitute products	300 mg/kg	161	Adopted	2008
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	300 mg/kg	161	Adopted	2008
05.3	Chewing gum	300 mg/kg		Adopted	2008
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	300 mg/kg		Adopted	2008
06.3	Breakfast cereals, including rolled oats	300 mg/kg	161	Adopted	2008
06.4.3	Pre-cooked pastas and noodles and like products	300 mg/kg	153	Adopted	2008

SUNSET YELLOW FCF

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	50 mg/kg		Adopted	2008
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	50 mg/kg		Adopted	2008
08.1	Fresh meat, poultry, and game	300 mg/kg	4 & 16	Adopted	2008
08.2	Processed meat, poultry, and game products in whole pieces or cuts	300 mg/kg	16	Adopted	2008
08.3.1.1	Cured (including salted) non-heat treated processed comminuted meat, poultry, and game products	300 mg/kg	16	Adopted	2008
08.3.1.2	Cured (including salted) and dried non-heat treated processed comminuted meat, poultry, and game products	135 mg/kg		Adopted	2008
08.3.1.3	Fermented non-heat treated processed comminuted meat, poultry, and game products	300 mg/kg	16	Adopted	2008
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	300 mg/kg	16	Adopted	2008
08.3.3	Frozen processed comminuted meat, poultry, and game products	300 mg/kg	16	Adopted	2008
08.4	Edible casings (e.g., sausage casings)	300 mg/kg	16	Adopted	2008
09.1.1	Fresh fish	300 mg/kg	4, 16 & 50	Adopted	2008
09.1.2	Fresh mollusks, crustaceans, and echinoderms	300 mg/kg	4 & 16	Adopted	2008
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	95	Adopted	2008
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	16	Adopted	2008
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	16 & 95	Adopted	2008
09.2.4.1	Cooked fish and fish products	300 mg/kg	95	Adopted	2008
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	250 mg/kg		Adopted	2008
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	16	Adopted	2008
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	100 mg/kg	22	Adopted	2008
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	300 mg/kg	16	Adopted	2008
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	300 mg/kg	16	Adopted	2008
09.3.3	Salmon substitutes, caviar, and other fish roe products	300 mg/kg		Adopted	2008
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	2008
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	300 mg/kg	95	Adopted	2008
10.1	Fresh eggs	GMP	4	Adopted	2008
10.4	Egg-based desserts (e.g., custard)	50 mg/kg		Adopted	2008
12.2.2	Seasonings and condiments	300 mg/kg		Adopted	2008
12.4	Mustards	300 mg/kg		Adopted	2008
12.5	Soups and broths	50 mg/kg		Adopted	2008

SUNSET YELLOW FCF

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
12.6	Sauces and like products	300 mg/kg		Adopted	2008
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	50 mg/kg		Adopted	2008
13.4	Dietetic formulae for slimming purposes and weight reduction	50 mg/kg		Adopted	2008
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	2008
13.6	Food supplements	300 mg/kg		Adopted	2008
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	100 mg/kg	127 & 161	Adopted	2008
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	200 mg/kg		Adopted	2008
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	200 mg/kg		Adopted	2008
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	200 mg/kg		Adopted	2008
16.0	Composite foods - foods that could not be placed in categories 01 - 15	500 mg/kg		6	

TALC

Talc INS: 553(iii)

Function: anticaking agent

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.8.2	Dried whey and whey products, excluding whey cheeses	10000 mg/kg		Adopted	2006
06.1	Whole, broken, or flaked grain, including rice	GMP		7	
12.1.2	Salt Substitutes	10000 mg/kg	51	7	

TARA GUM

Tara gum INS: 417

Function: stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.1.1	Milk and buttermilk (plain)	GMP		7	
01.2.1.1	Fermented milks (plain), not heat-treated after fermentation	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	
02.1.2	Vegetable oils and fats	GMP		7	

TARA GUM

Function: stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		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	73	7	
09.2.2	Frozen battered fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms	GMP	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	
12.2.1	Herbs and spices	GMP	51	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

L(+)-Tartaric acid	INS: 334	Monosodium tartrate	INS: 335(i)
Disodium tartrate	INS: 335(ii)	Monopotassium tartrate	INS: 336(i)
Dipotassium tartrate	INS: 336(ii)	Potassium sodium tartrate	INS: 337

Function: acidity regulator, adjuvant, anticaking agent, antioxidant, bulking agent, emulsifier, flour treatment agent, humectant, preservative, raising agent, sequestrant, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.2.1	Fermented milks (plain)	GMP	45	7	
01.6.1	Unripened cheese	1500 mg/kg	45	4	

TARTRATES

Function: acidity regulator, adjuvant, anticaking agent, antioxidant, bulking agent, emulsifier, flour treatment agent, humectant, preservative, raising agent, sequestrant, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.6.2	Ripened cheese	GMP	45	7	
01.6.4	Processed cheese	34900 mg/kg	45	7	
01.6.5	Cheese analogues	GMP	45	7	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	2000 mg/kg	45	7	
02.1.2	Vegetable oils and fats	5000 mg/kg	45	4	
02.1.3	Lard, tallow, fish oil, and other animal fats	5000 mg/kg	45	4	
02.2.2	Fat spreads, dairy fat spreads and blended spreads	5000 mg/kg	45	4	
02.2.2	Fat spreads, dairy fat spreads and blended spreads	GMP	45	7	
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	GMP	45	7	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	GMP	45	7	
03.0	Edible ices, including sherbet and sorbet	2000 mg/kg	45	7	
04.1.2.1	Frozen fruit	GMP	45	7	
04.1.2.2	Dried fruit	GMP	45	7	
04.1.2.3	Fruit in vinegar, oil, or brine	GMP	45	7	
04.1.2.4	Canned or bottled (pasteurized) fruit	1300 mg/kg	45	7	
04.1.2.5	Jams, jellies, marmelades	3000 mg/kg	45	7	
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	3000 mg/kg	45	7	
04.1.2.7	Candied fruit	GMP	45	7	
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	GMP	45	7	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	20000 mg/kg	45	4	
04.1.2.10	Fermented fruit products	GMP	45	7	
04.1.2.11	Fruit fillings for pastries	10000 mg/kg	45	7	
04.1.2.12	Cooked fruit	GMP	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 soybean sauce	15000 mg/kg	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	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	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	45	7	

TARTRATES

Function: acidity regulator, adjuvant, anticaking agent, antioxidant, bulking agent, emulsifier, flour treatment agent, humectant, preservative, raising agent, sequestrant, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	10000 mg/kg	45	4	
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	5000 mg/kg	45	7	
05.1.2	Cocoa mixes (syrups)	2000 mg/kg	45	7	
05.1.3	Cocoa-based spreads, including fillings	5000 mg/kg	45	4	
05.1.4	Cocoa and chocolate products	10000 mg/kg	45	7	
05.1.5	Imitation chocolate, chocolate substitute products	10000 mg/kg	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	45	7	
05.3	Chewing gum	30000 mg/kg	45	7	
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	8000 mg/kg	45	7	
06.2	Flours and starches (including soybean powder)	6000 mg/kg	45	4	
06.4.1	Fresh pastas and noodles and like products	GMP	45	7	
06.4.3	Pre-cooked pastas and noodles and like products	7500 mg/kg	45	4	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	2860 mg/kg	45	7	
07.0	Bakery wares	10000 mg/kg	45	7	
08.0	Meat and meat products, including poultry and game	GMP	45	7	
09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	45	4	
10.4	Egg-based desserts (e.g., custard)	2000 mg/kg	45	7	
11.6	Table-top sweeteners, including those containing high-intensity sweeteners	GMP	45	7	
12.2.2	Seasonings and condiments	7500 mg/kg	45	7	
12.4	Mustards	5000 mg/kg	45	7	
12.5	Soups and broths	5000 mg/kg	45	7	
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	2860 mg/kg	45	7	
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	5000 mg/kg	45	7	
12.6.3	Mixes for sauces and gravies	GMP	45	7	
12.6.4	Clear sauces (e.g., fish sauce)	200 mg/kg	45	4	
13.2	Complementary foods for infants and young children	5000 mg/kg	45	7	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	GMP	45	4	
13.4	Dietetic formulae for slimming purposes and weight reduction	GMP	45	4	
13.6	Food supplements	GMP	45	4	
14.1.2.1	Fruit juice	4000 mg/kg	45, 128 & 129	Adopted	2005

TARTRATES

Function: acidity regulator, adjuvant, anticaking agent, antioxidant, bulking agent, emulsifier, flour treatment agent, humectant, preservative, raising agent, sequestrant, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
14.1.2.2	Vegetable juice	4000 mg/kg	45	7	
14.1.2.3	Concentrates for fruit juice	4000 mg/kg	45, 127, 128 & 129	Adopted	2005
14.1.2.4	Concentrates for vegetable juice	4000 mg/kg	45	7	
14.1.3.1	Fruit nectar	4000 mg/kg	45 & 128	Adopted	2005
14.1.3.2	Vegetable nectar	1600 mg/kg	45	7	
14.1.3.3	Concentrates for fruit nectar	4000 mg/kg	45, 127 & 128	Adopted	2005
14.1.3.4	Concentrates for vegetable nectar	1600 mg/kg	45	7	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	5000 mg/kg	45	7	
14.2.1	Beer and malt beverages	2000 mg/kg	45	7	
14.2.2	Cider and perry	2000 mg/kg	45	7	
14.2.3.1	Still grape wine	9000 mg/kg	45	7	
14.2.3.2	Sparkling and semi-sparkling grape wines	4000 mg/kg	45	4	
14.2.3.3	Fortified grape wine, grape liquor wine, and sweet grape wine	4000 mg/kg	45	4	
14.2.4	Wines (other than grape)	GMP	45	7	
14.2.5	Mead	GMP	45	7	
14.2.6	Distilled spirituous beverages containing more than 15% alcohol	3000 mg/kg	45	7	
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low alcoholic refreshers)	3000 mg/kg	45	7	
15.0	Ready-to-eat savouries	2000 mg/kg	45	4	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	600 mg/kg	2 & 45	7	

TARTRAZINE

Tartrazine

INS: 102

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	52	7	
01.3.2	Beverage whiteners	300 mg/kg		7	
01.6.1	Unripened cheese	300 mg/kg	3	4	
01.6.2.2	Rind of ripened cheese	100 mg/kg		7	
01.6.4	Processed cheese	200 mg/kg		7	
01.6.5	Cheese analogues	300 mg/kg	3	4	

TARTRAZINE

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	
02.4	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	4 & 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	182	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	4 & 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 soybean 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	92	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	500 mg/kg		4	
05.1	Cocoa products and chocolate products including imitations and chocolate substitutes	300 mg/kg	183	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	300 mg/kg		7	
06.4.2	Dried pastas and noodles and like products	300 mg/kg		7	

TARTRAZINE

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
06.4.3	Pre-cooked pastas and noodles and like products	300 mg/kg	153	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	4 & 16	7	
09.1.1	Fresh fish	300 mg/kg	4, 16 & 50	7	
09.1.2	Fresh mollusks, crustaceans, and echinoderms	500 mg/kg	4 & 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	16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	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	16	7	
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	500 mg/kg	22	7	
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly	500 mg/kg	16	7	
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine	500 mg/kg	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	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	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	50 mg/kg		7	

TARTRAZINE

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	

TERTIARY BUTYLHYDROQUINONE

Tertiary butylhydroquinone

INS: 319

Function: antioxidant

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.3.2	Beverage whiteners	100 mg/kg	15 & 130	Adopted	2007
02.1.2	Vegetable oils and fats	200 mg/kg	15 & 130	Adopted	2006
02.1.3	Lard, tallow, fish oil, and other animal fats	200 mg/kg	15 & 130	Adopted	2006
02.2.2	Fat spreads, dairy fat spreads and blended spreads	200 mg/kg	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	15 & 130	Adopted	2005
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	200 mg/kg	15 & 130	Adopted	2005
03.0	Edible ices, including sherbet and sorbet	200 mg/kg	15 & 130	Adopted	2006
05.1.4	Cocoa and chocolate products	200 mg/kg	15, 130 & 141	Adopted	2006
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	200 mg/kg	15 & 130	Adopted	2006
05.3	Chewing gum	400 mg/kg	130	Adopted	2006
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	200 mg/kg	15 & 130	Adopted	2006
06.4.3	Pre-cooked pastas and noodles and like products	200 mg/kg	15 & 130	Adopted	2006

TERTIARY BUTYLHYDROQUINONE

Function: antioxidant

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
07.1.1	Breads and rolls	200 mg/kg	15 & 130	Adopted	2006
07.1.2	Crackers, excluding sweet crackers	200 mg/kg	15 & 130	Adopted	2006
07.1.3	Other ordinary bakery products (e.g., bagels, pita, English muffins)	200 mg/kg	15 & 130	Adopted	2006
07.1.4	Bread-type products, including bread stuffing and bread crumbs	200 mg/kg	15 & 130	Adopted	2006
08.2	Processed meat, poultry, and game products in whole pieces or cuts	100 mg/kg	15, 130 & 167	Adopted	2007
08.3	Processed comminuted meat, poultry, and game products	100 mg/kg	15, 130 & 162	Adopted	2007
12.2	Herbs, spices, seasonings and condiments (e.g., seasoning for instant noodles)	200 mg/kg	15 & 130	Adopted	2005
12.4	Mustards	200 mg/kg	15 & 130	Adopted	2006
12.5	Soups and broths	200 mg/kg	15 & 130	Adopted	2006
12.6	Sauces and like products	200 mg/kg	15 & 130	Adopted	2005
15.0	Ready-to-eat savouries	200 mg/kg	15 & 130	Adopted	2005

THAUMATINThaumatococcus INS: 957

Function: flavour enhancer, sweetener

FoodCatNo	FoodCategory	MaxLevel	Notes	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	GMP		4	
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	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	

THERMALLY OXIDIZED SOYA BEAN OIL WITH MONO- AND DI-GLYCERIDES OF FATTY ACIDSThermally oxidized soya bean oil with mono- and di-glycerides of fatty acids INS: 479

Function: emulsifier

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
02.2.2	Fat spreads, dairy fat spreads and blended spreads	5000 mg/kg		Adopted	1999

TOCOPHEROLS

Function: antioxidant

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	
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	15	7	
05.1.2	Cocoa mixes (syrops)	500 mg/kg	15	7	
05.1.3	Cocoa-based spreads, including fillings	500 mg/kg	15	7	
05.1.4	Cocoa and chocolate products	750 mg/kg	15	7	
05.1.5	Imitation chocolate, chocolate substitute products	500 mg/kg	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	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	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	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	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	

TOCOPHEROLS

Function: antioxidant

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	10 mg/kg	72	7	
13.1.2	Follow-up formulae	30 mg/kg	72	7	
13.1.3	Formulae for special medical purposes for infants	10 mg/kg	72	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	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	

TRAGACANTH GUM

Tragacanth gum

INS: 413

Function: bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
02.1.2	Vegetable oils and fats	13000 mg/kg		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	13000 mg/kg		7	
04.1.1.2	Surface-treated fresh fruit	GMP	16	7	

TRAGACANTH GUM

Function: bulking agent, emulsifier, stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	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	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	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	16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	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	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	

TRICALCIUM CITRATE

Tricalcium citrate

INS: 333(iii)

Function: antioxidant, acidity regulator, emulsifier, firming agent, sequestrant, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		7	

TRICALCIUM CITRATE

Function: antioxidant, acidity regulator, emulsifier, firming agent, sequestrant, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
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	51	7	
13.2	Complementary foods for infants and young children	GMP		7	

TRIETHYL CITRATE

Triethyl citrate INS: 1505

Function: antifoaming agent, carrier solvent, sequestrant, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
10.2.1	Liquid egg products	2500 mg/kg	47	Adopted	1999
10.2.3	Dried and/or heat coagulated egg products	2500 mg/kg	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: 332(ii)

Function: acidity regulator, antioxidant, emulsifier, sequestrant, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	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)	5000 mg/kg		7	
01.8.2	Dried whey and whey products, excluding whey cheeses	GMP		Adopted	2006
02.1.2	Vegetable oils and fats	GMP		7	
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		7	
04.1.1.2	Surface-treated fresh fruit	GMP	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	16	7	

TRIPOTASSIUM CITRATE

Function: acidity regulator, antioxidant, emulsifier, sequestrant, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
08.1.1	Fresh meat, poultry, and game, whole pieces or cuts	GMP	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	61	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	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	51	7	
13.1.1	Infant formulae	GMP	72	7	
13.1.2	Follow-up formulae	GMP	72	7	
13.1.3	Formulae for special medical purposes for infants	GMP	72	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: 331(iii)

Function: acidity regulator, antioxidant, emulsifier, sequestrant, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
01.1.1	Milk and buttermilk (plain)	GMP		7	
01.2.1	Fermented milks (plain)	1500 mg/kg	63	7	
01.2.2	Renneted milk (plain)	GMP		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	
01.8.2	Dried whey and whey products, excluding whey cheeses	GMP			Adopted 2006
02.1.1	Butter oil, anhydrous milkfat, ghee	GMP	171		Adopted 2006
02.1.2	Vegetable oils and fats	GMP		7	

TRISODIUM CITRATE

Function: acidity regulator, antioxidant, emulsifier, sequestrant, stabilizer

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
02.1.3	Lard, tallow, fish oil, and other animal fats	GMP		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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	61	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	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	51	7	
13.1.1	Infant formulae	GMP	72	7	
13.1.2	Follow-up formulae	GMP	72	7	
13.1.3	Formulae for special medical purposes for infants	GMP	72	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	

XANTHAN GUM

Xanthan gum

INS: 415

XANTHAN GUM

Function: stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
02.1.2	Vegetable oils and fats	10000 mg/kg		4	
02.1.3	Lard, tallow, fish oil, and other animal fats	10000 mg/kg		4	
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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	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	51	7	

XANTHAN GUM

Function: stabilizer, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
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	

XYLITOL

Xylitol INS: 967

Function: bulking agent, emulsifier, humectant, stabilizer, sweetener, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	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	
04.1.1.2	Surface-treated fresh fruit	GMP	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	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 categories 06.8.6, 06.8.7, 12.9.1, 12.9.2.1 and 12.9.2.3	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	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	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	16	7	
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	GMP	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	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	

XYLITOL

Function: bulking agent, emulsifier, humectant, stabilizer, sweetener, thickener

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
12.1.2	Salt Substitutes	GMP		7	
12.2.1	Herbs and spices	GMP	51	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	

ZEAXANTHIN (SYNTHETIC)

Zeaxanthin (synthetic)

INS: 161h(i)

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	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	52	4	
01.2	Fermented and renneted milk products (plain), excluding food category 01.1.2 (dairy-based drinks)	100 mg/kg		4	
01.6.1	Unripened cheese	100 mg/kg		4	
01.6.2	Ripened cheese	100 mg/kg		4	
01.6.4	Processed cheese	100 mg/kg		4	
01.6.5	Cheese analogues	100 mg/kg		4	
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	150 mg/kg		4	
02.2.2	Fat spreads, dairy fat spreads and blended spreads	100 mg/kg		4	
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	50 mg/kg		4	
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	150 mg/kg		4	
03.0	Edible ices, including sherbet and sorbet	150 mg/kg		4	
04.1.2.7	Candied fruit	200 mg/kg		4	
04.1.2.9	Fruit-based desserts, including fruit-flavoured water-based desserts	150 mg/kg		4	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	300 mg/kg		4	
05.3	Chewing gum	100 mg/kg		4	
06.3	Breakfast cereals, including rolled oats	100 mg/kg		4	
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	100 mg/kg		4	
07.1.2	Crackers, excluding sweet crackers	50 mg/kg		4	
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	100 mg/kg		4	
08.4	Edible casings (e.g., sausage casings)	GMP		4	
10.2	Egg products	100 mg/kg		4	

Function: colour

FoodCatNo	FoodCategory	MaxLevel	Notes	Step	Year
10.4	Egg-based desserts (e.g., custard)	100 mg/kg		4	
12.2.2	Seasonings and condiments	500 mg/kg		4	
12.5	Soups and broths	50 mg/kg		4	
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	50 mg/kg		4	
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	50 mg/kg		4	
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)	50 mg/kg		4	
13.4	Dietetic formulae for slimming purposes and weight reduction	50 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	100 mg/kg		4	
13.6	Food supplements	300 mg/kg		4	
14.1.3.2	Vegetable nectar	100 mg/kg		4	
14.1.3.4	Concentrates for vegetable nectar	100 mg/kg		4	
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	100 mg/kg		4	
15.0	Ready-to-eat savouries	100 mg/kg		4	
16.0	Composite foods - foods that could not be placed in categories 01 - 15	100 mg/kg		4	

Notes to the General Standard for Food Additives

- 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 For use in hydrolyzed protein liquid formula only.
- 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 ethylenediaminetetraacetate.
- 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 para-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: $[(33\ 000\ \text{U/kg bw}) \times (0.025\ \mu\text{g/U}) \times (1\ \text{mg}/1\ 000\ \mu\text{g})] = 0.825\ \text{mg/kg bw}$
- Note 29 Reporting basis not specified.
- Note 30 As residual NO₃ ion.
- Note 31 Of the mash used.
- Note 32 As residual NO₂ ion.
- Note 33 As phosphorus.
- Note 34 Anhydrous basis.
- Note 35 For use in cloudy juices only.
- Note 36 Residual level.
- Note 37 As weight of nonfat milk solids.
- Note 38 Level in creaming mixture.
- Note 39 Only when product contains butter or other fats and oils.
- Note 40 INS 451i (pentasodium triphosphate) only, to enhance the effectiveness of benzoates and sorbates.
- Note 41 Use in breading or batter coatings only.
- Note 42 As sorbic acid.
- Note 43 As tin.
- Note 44 As residual SO₂.
- Note 45 As tartaric acid.
- Note 46 As thiodipropionic acid.
- Note 47 On egg yolk weight, dry basis.
- Note 48 For olives only.
- Note 49 For use on citrus fruits only.
- Note 50 For use in fish roe only.

- Note 51 For use in herbs only.
- Note 52 Excluding chocolate milk.
- Note 53 For use in coatings only.
- Note 54 For use in cocktail cherries and candied cherries only.
- Note 55 Singly or in combination, within the limits for sodium, calcium, and potassium specified in the commodity standard.
- 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 packaging gas.
- Note 60 If used as a carbonating agent, the CO₂ in the finished wine shall not exceed 39.2 mg/kg.
- Note 61 For use in minced fish only.
- Note 62 As copper.
- Note 63 On amount of dairy ingredients.
- Note 64 Level added to dry beans; 200 mg/kg in ready-to-eat food, anhydrous basis.
- Note 65 Carryover from nutrient preparations.
- Note 66 As formaldehyde. For use in provolone cheese only.
- Note 67 Except for use in liquid egg whites at 8 800 mg/kg as phosphorus, and in liquid whole eggs at 14 700 mg/kg as phosphorus.
- Note 68 For use in products with no added sugar 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 Excluding liquid whey and whey products used as ingredients in infant formula.
- Note 75 Use in milk powder for vending machines only.
- Note 76 Use in potatoes only.
- Note 77 For special nutritional uses only.
- Note 78 For use in tocino (fresh, cured sausage) only.
- Note 79 For use on nuts only.
- Note 80 Equivalent to 2 mg/dm² surface application to a maximum depth of 5 mm.
- Note 81 Equivalent to 1 mg/dm² surface application to a maximum depth of 5 mm.
- Note 82 For use in shrimp; 6 000 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 Use level in sausage casings; residue in sausage prepared with such casings should not exceed 100 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 Excluding tomato-based sauces.
- 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 the finished product/final 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 Use level singly, not to exceed 15 000 mg/kg in combination.

- Note 102 For use in fat emulsions for baking purposes only.
- Note 103 Except for use in special white wines at 400 mg/kg.
- Note 104 Maximum 5 000 mg/kg residue in bread and yeast-leavened bakery products.
- Note 105 Except for use in dried gourd strips (KAMPYO) at 5 000 mg/kg.
- Note 106 Except for use in Dijon mustard at 500 mg/kg.
- Note 107 Except for use of sodium ferrocyanide (INS 535) and potassium ferrocyanide (INS 536) in food-grade dendridic salt at 29 mg/kg as anhydrous sodium ferrocyanide.
- Note 108 For use on coffee beans only.
- Note 109 Use level reported as $25 \text{ lbs}/1\,000 \text{ gal} \times (0.45 \text{ kg}/\text{lb}) \times (1 \text{ gal}/3.75 \text{ L}) \times (1 \text{ L}/\text{kg}) \times (10\text{E}6 \text{ mg}/\text{kg}) = 3\,000 \text{ mg}/\text{kg}$
- 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 Use level reported as acesulfame potassium equivalents.
- 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 1 000 mg/kg.
- Note 118 Except for use in tocino (fresh, cured sausage) at 1 000 mg/kg.
- Note 119 Use level reported as aspartame equivalents.
- Note 120 Except for use in caviar at 2 500 mg/kg.
- Note 121 Excluding fermented fish products at 1 000 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 (tartaric acid) only.
- Note 129 For use as an acidity regulator in grape juice.
- Note 130 Singly or in combination: butylated hydroxyanisole (INS 320), butylated hydroxytoluene (INS 321), tertiary butylated hydroquinone (INS 319), and propyl gallate (INS 310).
- Note 131 As a result of use as a flavour carrier.
- Note 132 Except for use at 130 mg/kg (dried basis) in semi-frozen beverages.
- Note 133 Any combination of butylated hydroxyanisole (INS 320), butylated hydroxytoluene (INS 321), and propyl gallate (INS 310) at 200 mg/kg, provided that single use limits are not exceeded.
- Note 134 Except for use in cereal-based puddings at 500 mg/kg.
- Note 135 Except for use in dried apricots at 2 000 mg/kg, bleached raisins at 1 500 mg/kg, and dessicated coconut at 50 mg/kg.
- Note 136 For use in white vegetables only.
- Note 137 Except for use in frozen avocado at 300 mg/kg.
- Note 138 For use in energy-reduced products only.
- Note 139 For use in mollusks, crustaceans, and echinoderms only.
- Note 140 Except for use in canned abalone (PAUA) at 1 000 mg/kg.
- Note 141 For use in white chocolate only.
- Note 142 Excluding coffee and tea.
- Note 143 For use in fruit juice-based drinks and dry ginger ale only.
- Note 144 For use in sweet and sour products only.
- Note 145 Products are energy reduced or with no added sugar.
- Note 146 Use level for beta-carotene (synthetic) (INS 160ai); 35 mg/kg for beta-apo-8'-carotenal (INS 160e) and beta-apo-8'-carotenoic acid, methyl or ethyl ester (INS 160f).
- Note 147 Excluding whey powders for infant food.
- Note 148 For use in microsweets and breath freshening mints at 10 000 mg/kg

- Note 149 Except for use in fish roe at 100 mg/kg.
- Note 150 Use level for soy-based formula; 25 000 mg/kg for hydrolyzed protein and/or amino acid-based formula.
- Note 151 Use level for soy-based formula; 1 000 mg/kg for hydrolyzed protein and/or amino acid-based formula.
- Note 152 For frying purposes only.
- Note 153 For use in instant noodles only.
- Note 154 For use in coconut milk only.
- Note 155 For use in frozen, sliced apples only.
- Note 156 For use in microsweets and breath freshening mints at 2 500 mg/kg.
- Note 157 For use in microsweets and breath freshening mints at 2 000 mg/kg.
- Note 158 For use in microsweets and breath freshening mints at 1 000 mg/kg.
- Note 159 For use in pancake syrup and maple syrup only.
- Note 160 For use in ready-to-drink products and pre-mixes for ready-to-drink products only.
- Note 161 Subject to national legislation of the importing country aimed, in particular, at consistency with Section 3.2 of the Preamble.
- Note 162 For use in dehydrated products and salami-type products only.
- Note 163 For use in microsweets and breath freshening mints at 3 000 mg/kg.
- Note 164 For use in microsweets and breath freshening mints at 30 000 mg/kg.
- Note 165 For use in products for special nutritional use only.
- Note 166 For milk-based sandwich spreads only.
- Note 167 For dehydrated products only.
- Note 168 Quillaia extract type 1 (INS 999(i)) only. Acceptable maximum use level is expressed on saponin basis.
- Note 169 For use in fat-based sandwich spreads only.
- Note 170 Acceptable maximum level based on combined state of total sulfites. This is equivalent to 70 mg/kg in the free state.
- Note 171 Excluding anhydrous milkfat.
- Note 172 Except for use in fruit sauces, fruit toppings, coconut cream, coconut milk and "fruit bars" at 50 mg/kg.
- Note 173 Except for use in cereal-based puddings at 1000 mg/kg.
- Note 174 Singly or in combination: sodium aluminium silicate (INS 554), calcium aluminium silicate (INS 556), and aluminium silicate (INS 559).
- Note 175 Except for use in jelly-type fruit-based desserts at 200 mg/kg.
- Note 176 For use in tomato-based sauces only.
- Note 177 For use in sliced, cut, shredded, or grated cheese only.
- Note 178 Expressed as carminic acid.
- Note 179 For use in surface treatment of sausages.
- Note 180 Expressed as beta-carotene.
- Note 181 Expressed as anthocyanin.
- Note 182 Except for use in coconut milk.
- Note 183 Products conforming to the Standard for chocolate and chocolate products [CODEX STAN 87 - 1981] may only use colours for surface decoration.
- Note 184 For use in nutrient coated rice grain premixes only.
- Note 185 As norbixin.
- Note 186 For use in flours with additives only.
- Note 301 Interim maximum level.