

ANNEX 1 ASEAN MAXIMUM USE LEVELS OF FOOD ADDITIVES

ACETIC ACID, GLACIAL

INS 260

ACETIC ACID, GLACIAL

Functional Class: Acidity regulator,
Preservative

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.7	Candied fruit	GMP		2024
04.1.2.11	Fruit fillings for pastries	GMP		2024
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3, and 05.4	GMP	<i>Except in products conforming to Codex Regional Standard for Halwa tehenia (CXS309R-2011): for use only as acidity regulator</i>	2024
05.3	Chewing gum	GMP		2024
05.4	Decorations (e.g. for fine bakery wares), toppings (non-fruit), and sweet sauces	GMP		2024
06.3	Breakfast cereals, including rolled oats	GMP		2024
07.0	Bakery wares	GMP		2024

ACETIC AND FATTY ACID ESTERS OF GLYCEROL

INS 472a

ACETIC AND FATTY ACID ESTERS OF GLYCEROL

Functional Class: Emulsifier,
Sequestrant, Stabilizer

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021

05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.3	Chewing gum	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

ACETYLATED DISTARCH ADIPATE

INS 1422

ACETYLATED DISTARCH ADIPATE

Functional Class: Emulsifier, Stabilizer, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.3	Chewing gum	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

ACETYLATED DISTARCH PHOSPHATE

INS 1414

ACETYLATED DISTARCH PHOSPHATE

Functional Class: Emulsifier, Stabilizer, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021

04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.3	Chewing gum	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

ACETYLATED OXIDIZED STARCH

INS 1451 ACETYLATED OXIDIZED STARCH

Functional Class: Emulsifier, Stabilizer, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
07.0	Bakery wares	GMP		2021

ACID TREATED STARCH

INS 1401 ACID TREATED STARCH

Functional Class: Emulsifier, Stabilizer, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.3	Chewing gum	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021

07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

AGAR

INS 406

AGAR

Functional Class: Bulking agent, Carrier, Emulsifier, Gelling agent, Glazing agent, Humectant, Stabilizer, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.3	Chewing gum	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

ALGINIC ACID

INS 400

ALGINIC ACID

Functional Class: Bulking agent, Carrier, Emulsifier, Foaming agent, Gelling agent, Glazing agent, Humectant, Sequestrant, Stabilizer, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021

Food Cat No	Food Category	Max Level	Notes	Year Adopted
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.3	Chewing gum	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

ALKALINE TREATED STARCH

INS 1402 ALKALINE TREATED STARCH

Functional Class: Emulsifier, Stabilizer, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.3	Chewing gum	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

ALPHA-AMYLASE FROM ASPERGILLUS ORYZAE VAR.

INS 1100(i) ALPHA-AMYLASE FROM ASPERGILLUS ORYZAE VAR.

Functional Class: Flour treatment agent

Food Cat No	Food Category	Max Level	Notes	Year Adopted
05.3	Chewing gum	GMP		2025
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2025
06.3	Breakfast cereals, including rolled oats	GMP		2025
07.0	Bakery wares	GMP		2025

ALPHA-AMYLASE FROM BACILLUS SUBTILIS

INS 1100(iii) ALPHA-AMYLASE FROM BACILLUS SUBTILIS

Functional Class: Flour treatment agent

Food Cat No	Food Category	Max Level	Notes	Year Adopted
05.3	Chewing gum	GMP		2025
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2025
06.3	Breakfast cereals, including rolled oats	GMP		2025
07.0	Bakery wares	GMP		2025

AMMONIUM CARBONATE

INS 503(i) AMMONIUM CARBONATE

Functional Class: Acidity regulator,
Raising agent

Food Cat No	Food Category	Max Level	Notes	Year Adopted
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021
07.2.1	Cakes, cookies and pies (e.g., fruit-filled or custard types)	GMP		2021

AMMONIUM CHLORIDE

INS 510 AMMONIUM CHLORIDE

Functional Class: Flour treatment agent

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.7	Candied fruit	GMP		2024
04.1.2.11	Fruit fillings for pastries	GMP		2024
05.3	Chewing gum	GMP		2024
05.4	Decorations (e.g., for fine bakery wares)	GMP		2024
06.3	Breakfast cereals, including rolled oats	GMP		2024
07.0	Bakery wares	GMP		2024

AMMONIUM HYDROGEN CARBONATE

INS 503(ii) AMMONIUM HYDROGEN CARBONATE

Functional Class: Acidity regulator,
Raising agent

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021

Food Cat No	Food Category	Max Level	Notes	Year Adopted
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.3	Chewing gum	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

ASCORBIC ACID, L-

INS 300

ASCORBIC ACID, L-

Functional Class: Acidity regulator,
Antioxidant, Flour treatment agent,
Sequestrant

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.7	Candied fruit	GMP		2024
04.1.2.11	Fruit fillings for pastries	GMP		2024
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3, and 05.4	GMP	<i>Except in products conforming to Codex Regional Standard for Halwa tehenia (CXS309R-2011): for use only as acidity regulator</i>	2024
05.3	Chewing gum	GMP		2024
05.4	Decorations (e.g. for fine bakery wares), toppings (non-fruit), and sweet sauces	GMP		2024
06.3	Breakfast cereals, including rolled oats	GMP		2024
07.0	Bakery wares	GMP		2024

BEESWAX

INS 901

BEESWAX

Functional Class: Carrier, Emulsifier,
Glazing agent, Stabilizer, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
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05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP	3 & XS309R	2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021

BEET RED

INS 162

BEET RED

Functional Class: Colour

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.7	Candied fruit	GMP		2023
04.1.2.11	Fruit fillings for pastries	GMP		2023
05.3	Chewing gum	GMP		2023
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit), and sweet sauces	GMP		2023
06.3	Breakfast cereals, including rolled oats	GMP		2023
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2023
07.0	Bakery wares	GMP		2023

BLEACHED STARCH

INS 1403

BLEACHED STARCH

Functional Class: Emulsifier, Stabilizer, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
07.0	Bakery wares	GMP		2021

BROMELAIN

INS 1101(iii)

BROMELAIN

Functional Class: Flavour enhancer, Flour treatment agent, Stabilizer

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.7	Candied fruit	GMP		2025
04.1.2.11	Fruit fillings for pastries	GMP		2025
05.3	Chewing gum	GMP		2025
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2025
06.3	Breakfast cereals, including rolled oats	GMP		2025
07.0	Bakery wares	GMP		2025

BUTYLATED HYDROXYTOLUENE (BHT)

INS 321

BUTYLATED HYDROXYTOLUENE

Functional Class: Antioxidant

Food Cat No	Food Category	Max Level	Notes	Year Adopted
06.3	Breakfast cereals, including rolled oats	100	15, 196	2023

CALCIUM 5'-GUANYLATE

INS 629	CALCIUM 5'-GUANYLATE	Functional Class: Flavour enhancer		
Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.3	Chewing gum	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

CALCIUM 5'-INOSINATE

INS 633	CALCIUM 5'-INOSINATE	Functional Class: Flavour enhancer		
Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021

05.3	Chewing gum	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

CALCIUM 5'-RIBONUCLEOTIDE

INS 634 CALCIUM 5'-RIBONUCLEOTIDE

Functional Class: Flavour enhancer

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.7	Candied fruit	GMP		2023
04.1.2.11	Fruit fillings for pastries	GMP		2023
05.3	Chewing gum	GMP		2023
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit), and sweet sauces	GMP		2023
06.3	Breakfast cereals, including rolled oats	GMP		2023
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2023
07.0	Bakery wares	GMP		2023

CALCIUM ACETATE

INS 263 CALCIUM ACETATE

Functional Class: Acidity regulator, Preservative, Stabilizer

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.7	Candied fruit	GMP		2025
04.1.2.11	Fruit fillings for pastries	GMP		2025
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3, and 05.4	GMP	<i>Except in products conforming to Codex Regional Standard for Halwa tehenia (CXS309R-2011): for use only as acidity regulator</i>	2025
05.3	Chewing gum	GMP		2025

05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2025
06.3	Breakfast cereals, including rolled oats	GMP		2025
07.0	Bakery wares	GMP		2025

CALCIUM ALGINATE

INS 404 CALCIUM ALGINATE

Functional Class: Antifoaming agent, Bulking agent, Carrier, Foaming agent, Gelling agent, Glazing agent, Humectant, Sequestrant, Stabilizer, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.3	Chewing gum	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

CALCIUM CARBONATE

INS 170(i) CALCIUM CARBONATE

Functional Class: Acidity regulator, Anticaking agent, Colour, Firming agent, Flour treatment agent, Stabilizer

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.7	Candied fruit	GMP		2025
04.1.2.11	Fruit fillings for pastries	GMP		2025
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2025

05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3, and 05.4	GMP	Except in products conforming to Codex Regional Standard for Halwa tehenia (CXS309R-2011): for use only as acidity regulator	2025
05.3	Chewing gum	GMP		2025
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2025
06.3	Breakfast cereals, including rolled oats	GMP		2025
07.0	Bakery wares	GMP		2025

CALCIUM CHLORIDE

INS 509

CALCIUM CHLORIDE

Functional Class: Firming agent,
Stabilizer, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.3	Chewing gum	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

CALCIUM DI-L-GLUTAMATE

INS 623

CALCIUM DI-L-GLUTAMATE

Functional Class: Flour enhancer

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.7	Candied fruit	GMP		2024
04.1.2.11	Fruit fillings for pastries	GMP		2024
05.3	Chewing gum	GMP		2024
05.4	Decorations (e.g., for fine bakery wares)	GMP		2024
06.3	Breakfast cereals, including rolled oats	GMP		2024
07.0	Bakery wares	GMP		2024

CALCIUM GLUCONATE

INS 578

CALCIUM GLUCONATE

Functional Class: Acidity regulator,
Firming agent, Sequestrant

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.3	Chewing gum	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

CALCIUM LACTATE

INS 327

CALCIUM LACTATE

Functional Class: Acidity regulator,
Emulsifying salt, Firming agent, Flour
treatment agent, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021

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		2021
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.3	Chewing gum	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

CALCIUM MALATE, DL-

INS 352(ii)

CALCIUM MALATE, DL-

Functional Class: Acidity regulator

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.2.1	Hard candy	GMP		2021
05.2.2	Soft candy	GMP		2021
05.2.3	Nougats and marzipans	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.1	Bread and ordinary bakery wares	GMP		2021
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	GMP		2021
12.6	Sauces and like products	GMP		2021

CALCIUM PROPIONATE

INS 282	CALCIUM PROPIONATE	Functional Class: Preservative		
Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.7	Candied fruit	GMP		2024
04.1.2.11	Fruit fillings for pastries	GMP		2024
05.3	Chewing gum	GMP		2024
05.4	Decorations (e.g. for fine bakery wares), toppings (non-fruit), and sweet sauces	GMP		2024
06.3	Breakfast cereals, including rolled oats	GMP		2024
07.0	Bakery wares	GMP		2024

CALCIUM SULFATE

INS 516

CALCIUM SULFATE

Functional Class: Acidity regulator,
Firming agent, Flour treatment agent,
Sequestrant, Stabilizer

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.3	Chewing gum	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

CANDELILLA WAX

INS 902

CANDELILLA WAX

Functional Class: Carrier, Emulsifier,
Glazing agent, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP	3 & XS309R	2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021

CARBOHYDRASE FROM BACILLUS LICHENIFORMIS

INS 1100(vi)

CARBOHYDRASE FROM BACILLUS LICHENIFORMIS

Functional Class: Flour treatment agent

Food Cat No	Food Category	Max Level	Notes	Year Adopted
05.3	Chewing gum	GMP		2025
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2025
06.3	Breakfast cereals, including rolled oats	GMP		2025
07.0	Bakery wares	GMP		2025

CARAMEL I – PLAIN CARAMEL

INS 150a

CARAMEL I – PLAIN CARAMEL

Functional Class: Colour

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.11	Fruit fillings for pastries	GMP		2021
07.1.1.1	Yeast-leavened breads and specialty breads	GMP		2021
07.1.6	Mixes for bread and ordinary bakery wares	GMP		2021
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	GMP		2021

CAROB BEAN GUM

INS 410

CAROB BEAN GUM

Functional Class: Emulsifier, Stabilizer, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spread (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.3	Chewing gum	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

CARRAGEENAN

INS 407

CARRAGEENAN

Functional Class: Bulking agent, Carrier, Emulsifier, Gelling agent, Glazing agent, Humectant, Stabilizer, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021

Food Cat No	Food Category	Max Level	Notes	Year Adopted
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		2021
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.3	Chewing gum	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

CHLOROPHYLLS

INS 140 CHLOROPHYLLS

Functional Class: Colour

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.5	Jams, jellies, marmalades	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
07.1.5	Steamed breads and buns	GMP		2021

CROSS-LINKED SODIUM CARBOXYMETHYL CELLULOSE (CROSS-LINKED-CELLULOSE GUM)

INS 468 CROSS-LINKED SODIUM CARBOXYMETHYL CELLULOSE (CROSS-LINKED-CELLULOSE GUM)

Functional Class: Stabilizer, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.3	Chewing gum	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021

07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

CITRIC ACID

INS 330 CITRIC ACID

Functional Class: Acidity regulator,
Antioxidant, Colour retention agent,
Sequestrant

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.7	Candied fruit	GMP		2025
04.1.2.11	Fruit fillings for pastries	GMP		2025
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2025
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3, and 05.4	GMP	Except in products conforming to Codex Regional Standard for Halwa tehenia (CXS309R-2011): for use only as acidity regulator	2025
05.3	Chewing gum	GMP		2025
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2025
06.3	Breakfast cereals, including rolled oats	GMP		2025
07.0	Bakery wares	GMP		2025

CITRIC AND FATTY ACID ESTERS OF GLYCEROL

INS 472c CITRIC AND FATTY ACID ESTERS OF GLYCEROL

Functional Class: Antioxidant,
Emulsifier, Flour treatment agent,
Sequestrant, Stabilizer

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.7	Candied fruit	GMP		2025
04.1.2.11	Fruit fillings for pastries	GMP		2025

05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3, and 05.4	GMP	Except in products conforming to Codex Regional Standard for Halwa tehenia (CXS309R-2011): for use only as emulsifier	2025
05.3	Chewing gum	GMP		2025
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2025
06.3	Breakfast cereals, including rolled oats	GMP		2025
07.0	Bakery wares	GMP		2025

CYCLODEXTRIN, ALPHA-

INS 457

CYCLODEXTRIN, ALPHA-

Functional Class: Stabilizer,
Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.3	Chewing gum	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

CYCLODEXTRIN, GAMMA-

INS 458 CYCLODEXTRIN, GAMMA-

**Functional Class: Stabilizer,
Thickener**

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.3	Chewing gum	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

DISODIUM 5'-INOSINATE

INS 631 DISODIUM 5'-INOSINATE

Functional Class: Flavour enhancer

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.3	Chewing gum	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

DISODIUM 5'-RIBONUCLEOTIDES

INS 635

DISODIUM 5'- RIBONUCLEOTIDES

Functional Class: Flavour enhancer

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.7	Candied fruit	GMP		2023
04.1.2.11	Fruit fillings for pastries	GMP		2023
05.3	Chewing gum	GMP		2023
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit), and sweet sauces	GMP		2023
06.3	Breakfast cereals, including rolled oats	GMP		2023
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2023
07.0	Bakery wares	GMP		2023

DEXTRINS, ROASTED STARCH

INS 1400

DEXTRINS, ROASTED STARCH

Functional Class: Carrier,
Emulsifier, Stabilizer, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.3	Chewing gum	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL

INS 472e

DIACETYLTARTARIC AND FATTY ACID ESTERS OF GLYCEROL

Functional Class: Emulsifier,
Sequestrant, Stabilizer

Food Cat No	Food Category	Max Level	Notes	Year Adopted
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05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	10000 mg/kg	XS309R	2021
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DIPOTASSIUM 5'-GUANYLATE

INS 628 DIPOTASSIUM 5'-GUANYLATE

Functional Class: Flavour enhancer

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.3	Chewing gum	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

DISODIUM 5'-GUANYLATE

INS 627 DISODIUM 5'-GUANYLATE

Functional Class: Flavour enhancer

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021

Food Cat No	Food Category	Max Level	Notes	Year Adopted
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		2021
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.3	Chewing gum	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

DISTARCH PHOSPHATE

INS 1412 DISTARCH PHOSPHATE

Functional Class: Emulsifier,
Stabilizer, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.3	Chewing gum	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

FUMARIC ACID

INS 297 FUMARIC ACID

Functional Class: Acidity regulator

Food Cat No	Food Category	Max Level	Notes	Year Adopted
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04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

GELLAN GUM

INS 418

GELLAN GUM

Functional Class: Gelling agent,
Stabilizer, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.3	Chewing gum	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

GLUCONO DELTA-LACTONE

INS 575

GLUCONO DELTA-LACTONE

Functional Class: Acidity regulator,
Raising agent, Sequestrant

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021

04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

GLUTAMIC ACID, L(+)

INS 620 GLUTAMIC ACID, L(+)

Functional Class: Flavour
enhancer

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.7	Candied fruit	GMP		2023
04.1.2.11	Fruit fillings for pastries	GMP		2023
05.3	Chewing gum	GMP		2023
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit), and sweet sauces	GMP		2023
06.3	Breakfast cereals, including rolled oats	GMP		2023
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2023
07.0	Bakery wares	GMP		2023

GUANYLIC ACID, 5'

INS 626 GUANYLIC ACID, 5'

Functional Class: Flavour
enhancer

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.7	Candied fruit	GMP		2023
04.1.2.11	Fruit fillings for pastries	GMP		2023
05.3	Chewing gum	GMP		2023
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit), and sweet sauces	GMP		2023
06.3	Breakfast cereals, including rolled oats	GMP		2023
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2023
07.0	Bakery wares	GMP		2023

GUAR GUM

INS 412 GUAR GUM

Functional Class: Emulsifier,
Stabilizer, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021

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		2021
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.3	Chewing gum	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

GUM ARABIC (ACACIA GUM)

INS 414 GUM ARABIC (ACACIA GUM)

Functional Class: Bulking agent, Carrier, Emulsifier, Glazing agent, Stabilizer, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.3	Chewing gum	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

HYDROXYPROPYL CELLULOSE

INS 463 HYDROXYPROPYL CELLULOSE

Functional Class: Emulsifier, Foaming agent, Glazing agent, Stabilizer, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.3	Chewing gum	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

HYDROXYPROPYL DISTARCH PHOSPHATE

INS 1442 HYDROXYPROPYL DISTARCH PHOSPHATE

Functional Class: Anticaking agent, Emulsifier, Stabilizer, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.3	Chewing gum	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

HYDROXYPROPYL METHYL CELLULOSE

INS 464 HYDROXYPROPYL METHYL CELLULOSE

**Functional Class: Bulking agent,
Emulsifier, Glazing agent, Stabilizer,
Thickener**

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.3	Chewing gum	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

HYDROXYPROPYL STARCH

INS 1440 HYDROXYPROPYL STARCH

**Functional Class: Emulsifier,
Stabilizer, Thickener**

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.3	Chewing gum	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

INOSINIC ACID, 5'

INS 630 INOSINIC ACID, 5'

Functional Class: Flavour
enhancer

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.7	Candied fruit	GMP		2023
04.1.2.11	Fruit fillings for pastries	GMP		2023
05.3	Chewing gum	GMP		2023
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit), and sweet sauces	GMP		2023
06.3	Breakfast cereals, including rolled oats	GMP		2023
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2023
07.0	Bakery wares	GMP		2023

KARAYA GUM

INS 416 KARAYA GUM

Functional Class: Emulsifier,
Stabilizer, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.3	Chewing gum	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

LACTIC ACID, L-, D- AND DL-

INS 270 LACTIC ACID, L-, D- AND DL-

Functional Class: Acidity regulator

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.3	Chewing gum	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

LACTIC AND FATTY ACID ESTERS OF GLYCEROL

INS 472b

LACTIC AND FATTY ACID ESTERS OF GLYCEROL

Functional Class: Emulsifier,
Sequestrant, Stabilizer

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.3	Chewing gum	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

LECITHIN

INS 322(i) LECITHIN

**Functional Class: Antioxidant,
Emulsifier, Flour Treatment Agent**

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.7	Candied fruit	GMP		2025
04.1.2.11	Fruit fillings for pastries	GMP		2025
05.1.1	Cocoa mixes (powders) and cocoa	GMP		2025
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3, and 05.4	GMP	Except in products conforming to Codex Regional Standard for Halwa tehenia (CXS309R-2011): for use only as emulsifier	2025
05.3	Chewing gum	GMP		2025
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2025
06.3	Breakfast cereals, including rolled oats	GMP		2025
07.0	Bakery wares	GMP		2025

LYCOPENE, BLAKESLEA TRISPORA

INS 160d(iii)	LYCOPENE, BLAKESLEA TRISPORA	Functional Class: Colour		
Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.7	Candied fruit	GMP		2024
04.1.2.11	Fruit fillings for pastries	GMP		2024
05.3	Chewing gum	GMP		2024
05.4	Decorations (e.g. for fine bakery wares), toppings (non-fruit), and sweet sauces	GMP		2024
06.3	Breakfast cereals, including rolled oats	GMP		2024
07.0	Bakery wares	GMP		2024

LYCOPENE, TOMATO

INS 160d(ii) Lycopene, Tomato

Functional Class: Colour

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.7	Candied fruit	GMP		2023
04.1.2.11	Fruit fillings for pastries	GMP		2023
05.3	Chewing gum	GMP		2023
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit), and sweet sauces	GMP		2023

06.3	Breakfast cereals, including rolled oats	GMP		2023
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2023
07.0	Bakery wares	GMP		2023

MAGNESIUM CARBONATE

INS 504(i) MAGNESIUM CARBONATE

Functional Class: Acidity
regulator, Anticaking agent, Colour
retention agent

Food Cat No	Food Category	Max Level	Notes	Year Adopted
07.1.6	Mixes for bread and ordinary bakery wares	GMP		2021
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	GMP		2021

MALIC ACID, DL-

INS 296 MALIC ACID, DL-

Functional Class: Acidity
regulator, Sequestrant

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

MALTITOL

INS 965(i) MALTITOL

**Functional Class: Bulking agent,
Emulsifier, Humectant, Stabilizer,
Sweetener, Thickener**

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.7	Candied fruit	GMP		2025
04.1.2.11	Fruit fillings for pastries	GMP		2025
05.1.1	Cocoa mixes (powders) and cocoa	GMP	Excluding products conforming to the Standard for Cocoa (Cacao) Mass (Cocoa/chocolate liquor) and Cocoa Cake (CODEX STAN 141-1983)	2025
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3, and 05.4	GMP	Except in products conforming to Codex Regional Standard for Halwa tehenia (CXS309R-2011): for use only as emulsifier	2025
05.3	Chewing gum	GMP		2025
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2025
06.3	Breakfast cereals, including rolled oats	GMP		2025
07.0	Bakery wares	GMP		2025

MALTITOL SYRUP

INS 965(ii) MALTITOL SYRUP

**Functional Class: Bulking agent,
Emulsifier, Humectant, Stabilizer,
Sweetener, Thickener**

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.7	Candied fruit	GMP		2025
04.1.2.11	Fruit fillings for pastries	GMP		2025
05.1.1	Cocoa mixes (powders) and cocoa	GMP	Excluding products conforming to the	2025

			Standard for Cocoa (Cacao) Mass (Cocoa/chocolate liquor) and Cocoa Cake (CODEX STAN 141-1983)	
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3, and 05.4	GMP	Except in products conforming to Codex Regional Standard for Halwa tehenia (CXS309R-2011): for use only as emulsifier	2025
05.3	Chewing gum	GMP		2025
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2025
06.3	Breakfast cereals, including rolled oats	GMP		2025
07.0	Bakery wares	GMP		2025

MANNITOL

INS 421 MANNITOL

Functional Class: Anticaking agent, Bulking agent, Carrier, Humectant, Stabilizer, Sweetener, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.7	Candied fruit	GMP		2025
04.1.2.11	Fruit fillings for pastries	GMP		2025
05.1.1	Cocoa mixes (powders) and cocoa	GMP	Excluding products conforming to the Standard for Cocoa (Cacao) Mass (Cocoa/chocolate liquor) and Cocoa Cake (CODEX STAN 141-1983)	2025
05.3	Chewing gum	GMP		2025

05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2025
06.3	Breakfast cereals, including rolled oats	GMP		2025
07.0	Bakery wares	GMP		2025

METHYL CELLULOSE

INS 461

METHYL CELLULOSE

Functional Class: Bulking agent,
Emulsifier, Glazing agent, Stabilizer,
Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

METHYL ETHYL CELLULOSE

INS 465

METHYL ETHYL CELLULOSE

Functional Class: Emulsifier,
Foaming agent, Stabilizer, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021

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		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021

MICROCRYSTALLINE CELLULOSE (CELLULOSE GEL)

INS 460(i)

MICROCRYSTALLINE CELLULOSE (CELLULOSE GEL)

Functional Class: Anticaking agent, Bulking agent, Carrier, Emulsifier, Foaming agent, Glazing agent, Stabilizer, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
06.3	Breakfast cereals, including rolled oats	GMP		2021
07.1.4	Bread-type products, including bread stuffing and bread crumbs	GMP		2021
07.1.6	Mixes for bread and ordinary bakery wares	GMP		2021
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	GMP		2021

MONO- AND DI-GLYCERIDES OF FATTY ACIDS

INS 471

MONO- AND DI-GLYCERIDES OF FATTY ACIDS

Functional Class: Antifoaming agent, Emulsifier, Glazing agent, Stabilizer

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021

12.6	Sauces and like products	GMP		2021
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MONOPOTASSIUM L-GLUTAMATE

INS 622 MONOPOTASSIUM L-GLUTAMATE

Functional Class: Flavour enhancer

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.7	Candied fruit	GMP		2023
04.1.2.11	Fruit fillings for pastries	GMP		2023
05.3	Chewing gum	GMP		2023
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit), and sweet sauces	GMP		2023
06.3	Breakfast cereals, including rolled oats	GMP		2023
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2023
07.0	Bakery wares	GMP		2023

MONOSODIUM L-GLUTAMATE

INS 621 MONOSODIUM L-GLUTAMATE

Functional Class: Flavour enhancer

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

MONOSTARCH PHOSPHATE

INS 1410 MONOSTARCH PHOSPHATE

Functional Class: Emulsifier, stabiliser, thickener

Food Cat No	Food Category	Max Level*	Notes	Year Adopted
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04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

NITROUS OXIDE

INS 942

NITROUS OXIDE

Functional Class: Antioxidant, Foaming agent, Packaging gas, Propellant

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.7	Candied fruit	GMP		2025
04.1.2.11	Fruit fillings for pastries	GMP		2025
05.3	Chewing gum	GMP		2025
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2025
06.3	Breakfast cereals, including rolled oats	GMP		2025
07.0	Bakery wares	GMP		2025

OXIDIZED STARCH

INS 1404

OXIDIZED STARCH

Functional Class: Emulsifier, Stabilizer, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
07.0	Bakery wares	GMP		2021

PAPAIN

INS 1101 (ii)

PAPAIN

Functional Class: Flavour enhancer

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.7	Candied fruit	GMP		2025
04.1.2.11	Fruit fillings for pastries	GMP		2025
05.3	Chewing gum	GMP		2025

05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2025
06.3	Breakfast cereals, including rolled oats	GMP		2025
07.0	Bakery wares	GMP		2025

PECTINS

INS 440

PECTINS

Functional Class: Emulsifier, Gelling agent, Glazing agent, Stabilizer, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

PHOSPHATED DISTARCH PHOSPHATE

INS 1413

PHOSPHATED DISTARCH PHOSPHATE

Functional Class: Emulsifier, Stabilizer, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021

07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

POLYDEXTROSES

INS 1200

POLYDEXTROSES

Functional Class: Bulking agent,
Glazing agent, Humectant, Stabilizer,
Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP*		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

POTASSIUM 5'-INOSINATE

INS 632

POTASSIUM 5'-INOSINATE

Functional Class: Flavour
enhancer

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.7	Candied fruit	GMP		2023
04.1.2.11	Fruit fillings for pastries	GMP		2023
05.3	Chewing gum	GMP		2023
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit), and sweet sauces	GMP		2023
06.3	Breakfast cereals, including rolled oats	GMP		2023
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2023
07.0	Bakery wares	GMP		2023

POTASSIUM ALGINATE

INS 402

POTASSIUM ALGINATE

Functional Class: Bulking agent,
Carrier, Emulsifier, Foaming agent,
Gelling agent, Glazing agent,

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

POTASSIUM CARBONATE

INS 501(i)

POTASSIUM CARBONATE

Functional Class: Acidity regulator,
Stabilizer

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

POTASSIUM CHLORIDE

INS 508

POTASSIUM CHLORIDE

Functional Class: Firming agent, Flavour enhancer, Stabilizer, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.7	Candied fruit	GMP		2025
04.1.2.11	Fruit fillings for pastries	GMP		2025
05.3	Chewing gum	GMP		2025
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2025
06.3	Breakfast cereals, including rolled oats	GMP		2025
07.0	Bakery wares	GMP		2025

POTASSIUM DIHYDROGEN CITRATE

INS 332(i)

POTASSIUM DIHYDROGEN CITRATE

Functional Class: Acidity regulator, Emulsifying salt, Sequestrant, Stabilizer

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

POTASSIUM HYDROGEN CARBONATE

INS 501(ii)

POTASSIUM HYDROGEN CARBONATE

Functional Class: Acidity regulator, Raising agent, Stabilizer

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021

04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

POTASSIUM HYDROXIDE

INS 525

POTASSIUM HYDROXIDE

Functional Class: Acidity regulator

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

POTASSIUM LACTATE

INS 326

POTASSIUM LACTATE

Functional Class: : Acidity regulator, Antioxidant, Emulsifier, Humectant

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.7	Candied fruit	GMP		2025
04.1.2.11	Fruit fillings for pastries	GMP		2025

05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP	Except in products conforming to Codex Regional Standard for Halwa tehenia (CXS309R-2011: for use only as acidity regulator and emulsifier	2025
05.3	Chewing gum	GMP		2025
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2025
06.3	Breakfast cereals, including rolled oats	GMP		2025
07.0	Bakery wares	GMP		2025

POWDERED CELLULOSE

INS 460(ii) POWDERED CELLULOSE

Functional Class: Anticaking agent,
Bulking agent, Emulsifier, Glazing agent,
Humectant, Stabilizer, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

PROPIONIC ACID

INS 280 PROPIONIC ACID

Functional Class: Preservative

Food Cat No	Food Category	Max Level	Notes	Year Adopted
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04.1.2.7	Candied fruit	GMP		2024
04.1.2.11	Fruit fillings for pastries	GMP		2024
05.3	Chewing gum	GMP		2024
05.4	Decorations (e.g. for fine bakery wares), toppings (non-fruit), and sweet sauces	GMP		2024
06.3	Breakfast cereals, including rolled oats	GMP		2024
07.0	Bakery wares	GMP		2024

PROTEASE FROM ASPERGILLUS ORIZAE VAR.

INS 1101(i) PROTEASE FROM ASPERGILLUS ORIZAE VAR.

**Functional Class: : Flavour enhancer,
Flour treatment agent, Stabilizer**

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.7	Candied fruit	GMP		2025
04.1.2.11	Fruit fillings for pastries	GMP		2025
05.3	Chewing gum	GMP		2025
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2025
06.3	Breakfast cereals, including rolled oats	GMP		2025
07.0	Bakery wares	GMP		2025

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

**INS 470(i) SALTS OF MYRISTIC, PALMITIC AND STEARIC ACIDS WITH
AMMONIA, CALCIUM, POTASSIUM AND SODIUM**

**Functional Class: Anticaking agent,
Emulsifier, Stabilizer**

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021

SALTS OF OLEIC ACID WITH CALCIUM, POTASSIUM AND SODIUM

INS 470(ii) SALTS OF OLEIC ACID WITH CALCIUM, POTASSIUM AND SODIUM

Functional Class: Anticaking agent, Emulsifier, Stabilizer

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
7.1.4	Bread-type products, including bread stuffing and bread crumbs	GMP		2021
7.1.6	Mixes for bread and ordinary bakery wares	GMP		2021
7.2	Fine bakery wares (sweet, salty, savoury) and mixes	GMP		2021
7.2.3	Mixes for fine bakery wares (e.g., cakes, pancakes)	GMP		2021

SHELLAC, BLEACHED

INS 904 SHELLAC, BLEACHED

Functional Class: Glazing agent

Food Cat No	Food Category	Max Level	Notes	Year Adopted
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP	3 & XS309R	2021

SILICON DIOXIDE, AMORPHOUS

INS 551 SILICON DIOXIDE, AMORPHOUS.

Functional Class: : Anticaking agent, Antifoaming agent, Carrier

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.7	Candied fruit	GMP		2025
04.1.2.11	Fruit fillings for pastries	GMP		2025
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	GMP	Excluding products conforming to the Standard for Cocoa	2025

			(Cacao) Mass (Cocoa/cho colate liquor) and Cocoa Cake (CODEX STAN 141- 1983)	
05.3	Chewing gum	GMP		2025
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2025
06.3	Breakfast cereals, including rolled oats	GMP		2025
07.0	Bakery wares	GMP		2025

SODIUM ACETATE

INS 262(i) SODIUM ACETATE

Functional Class: : Acidity regulator,
Preservative, Sequestrant

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.7	Candied fruit	GMP		2025
04.1.2.11	Fruit fillings for pastries	GMP		2025
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP	Except in products conforming to Codex Regional Standard for Halwa tehenia (CXS309R-2011: for use only as acidity regulator	2025
05.3	Chewing gum	GMP		2025
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2025
06.3	Breakfast cereals, including rolled oats	GMP		2025
07.0	Bakery wares	GMP		2025

SODIUM ALGINATE

INS 401 SODIUM ALGINATE

Functional Class: Bulking agent, Carrier, Emulsifier, Foaming agent, Gelling agent, Glazing agent, Humectant, Sequestrant, Stabilizer, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

SODIUM CARBONATE

INS 500 (i) SODIUM CARBONATE

Functional Class: Acidity regulator, Anticaking agent, Emulsifying salt, Raising agent, Stabilizer, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.2.1	Cakes, cookies and pies (e.g., fruit-filled or custard types)	GMP		2021

SODIUM CARBOXYMETHYL CELULOSE (CELULOSE GUM)

INS 466 SODIUM CARBOXYMETHYL CELULOSE (CELULOSE GUM)

Functional Class: Bulking agent, Emulsifier, Firming agent, Gelling agent, Glazing agent, Humectant, Stabilizer, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021

04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

SODIUM DIHYDROGEN CITRATE

INS 331 (i) SODIUM DIHYDROGEN CITRATE

Functional Class: Acidity regulator,
Emulsifier, Emulsifying salt,
Sequestrant, Stabilizer

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

SODIUM DL-MALATE

INS 350 (ii) SODIUM DL-MALATE

**Functional Class: Acidity regulator,
Humectant**

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.1	Bread and ordinary bakery wares	GMP		2021
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	GMP		2021

SODIUM HYDROGEN CARBONATE

INS 500 (ii) SODIUM HYDROGEN CARBONATE

**Functional Class: Acidity regulator,
Anticaking agent, Raising agent,
Stabilizer, Thickener**

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.4	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
06.3	Bakery wares	GMP		2021
06.7	Bread and ordinary bakery wares	GMP		2021
07.1	Breads and rolls	GMP		2021
07.2	Cakes, cookies and pies (e.g., fruit-filled or custard types)	GMP		2021
12.6	Sauces and like products	GMP		2021

SODIUM PROPIONATE

INS 281 SODIUM PROPIONATE

Functional Class: Preservative

Food Cat No	Food Category	Max Level	Notes	Year Adopted
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04.1.2.7	Candied fruit	GMP		2024
04.1.2.11	Fruit fillings for pastries	GMP		2024
05.3	Chewing gum	GMP		2024
05.4	Decorations (e.g. for fine bakery wares), toppings (non-fruit), and sweet sauces	GMP		2024
06.3	Breakfast cereals, including rolled oats	GMP		2024
07.0	Bakery wares	GMP		2024

SODIUM HYDROGEN DL-MALATE

INS 350 (i) SODIUM HYDROGEN DL-MALATE

Functional Class: Acidity regulator,
Humectant

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

SODIUM HYDROXIDE

INS 524 SODIUM HYDROXIDE

Functional Class: Acidity regulator

Food Cat No	Food Category	Max Level	Notes	Year Adopted
07.0	Bakery wares	GMP		2021

SODIUM LACTATE

INS 325 SODIUM LACTATE

Functional Class: : Acidity regulator,
Antioxidant, Bulking agent, Emulsifier,
Emulsifying salt, Humectant, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
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04.1.2.7	Candied fruit	GMP		2025
04.1.2.11	Fruit fillings for pastries	GMP		2025
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP	Except in products conforming to Codex Regional Standard for Halwa tehenia (CXS309R-2011: for use only as acidity regulator	2025
05.3	Chewing gum	GMP		2025
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2025
06.3	Breakfast cereals, including rolled oats	GMP		2025
07.0	Bakery wares	GMP		2025

SORBATES

INS 203	CALCIUM SORBATE	Functional Class: Preservative
INS 202	POTASSIUM SORBATE	Functional Class: Preservative
INS 200	SORBIC ACID	Functional Class: Preservative

Food Cat No	Food Category	Max Level	Notes	Year Adopted
05.4	Decorations (e.g. for fine bakery wares), toppings (non-fruit) and sweet sauces	1,000 mg/kg	42	2023
07.0	Bakery wares	1,000 mg/kg	42	2023

SORBITOL

INS 420(i)	SORBITOL	Functional Class: : Bulking agent, Humectant, Sequestrant, Stabilizer, Sweetener, Thickener
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Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.7	Candied fruit	GMP		2025
04.1.2.11	Fruit fillings for pastries	GMP		2025
05.1.1	Cocoa mixes (powders) and cocoa mass/cake	GMP	Excluding products conforming to the Standard for Cocoa	2025

			(Cacao) Mass (Cocoa/cho colate liquor) and Cocoa Cake (CODEX STAN 141- 1983)	
05.3	Chewing gum	GMP		2025
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2025
06.3	Breakfast cereals, including rolled oats	GMP		2025
07.0	Bakery wares	GMP		2025

STARCH ACETATE

INS 1420

STARCH ACETATE

Functional Class: Emulsifier, Stabilizer,
Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021

STARCH SODIUM OCTENYL SUCCINATE

INS 1450

STARCH SODIUM OCTENYL SUCCINATE

Functional Class: Emulsifier, Stabilizer,
Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.11	Fruit fillings for pastries	GMP		2021

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		2021
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STARCHES, ENZYME TREATED

INS 1405 STARCHES, ENZYME TREATED

Functional Class: Emulsifier, Stabilizer, Thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

SUCRALOSE (TRICHLOROGALACTOSUCROSE)

INS 955 SUCRALOSE (TRICHLOROGALACTOSUCROSE)

Functional Class: Sweetener, Flavor enhancer

Food Cat No	Food Category	Max Level	Notes	Year Adopted
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	1000 mg/kg	478	2021

TRAGACANTH GUM

INS 413 TRAGACANTH GUM

Functional Class: Emulsifier, stabiliser, thickener

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021

04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

TRICALCIUM CITRATE

INS 333 (iii) TRICALCIUM CITRATE

Functional Class: Acidity regulator,
Emulsifying salt, Firming agent,
Sequestrant, Stabilizer

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

TRIPOTASSIUM CITRATE

INS 332(ii) TRIPOTASSIUM CITRATE**Functional Class: Acidity regulator,
Emulsifying salt, Sequestrant, Stabilizer**

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

TRISODIUM CITRATE**INS 331 (iii) TRISODIUM CITRATE****Functional Class: Acidity regulator,
Emulsifier, Emulsifying salt, Sequestrant,
Stabilizer**

Food Cat No	Food Category	Max Level	Notes	Year Adopted
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
07.0	Bakery wares	GMP		2021

XANTHAN GUM**INS 415 XANTHAN GUM****Functional Class: Emulsifier, Foaming agent, Stabilizer, Thickener**

Food Cat No	Food Category	Max Level	Notes	Year Adopted
04.1.2.3	Fruit in Vinegar, oil or brine	GMP		2021
04.1.2.5	Jams, jellies, marmalades	GMP		2021
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	GMP		2021
04.1.2.11	Fruit fillings for pastries	GMP		2021
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		2021

05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3 and 05.4	GMP		2021
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit) and sweet sauces	GMP		2021
06.3	Breakfast cereals, including rolled oats	GMP		2021
07.0	Bakery wares	GMP		2021
12.6	Sauces and like products	GMP		2021

Notes (refer to Notes in Codex General Standard for Food Additives, Codex STAN 192-1995):

3 For use in surface treatment only.

15 On the fat or oil basis.

42 As sorbic acid.

196 Singly or in combination: butylated hydroxyanisole (BHA, INS 320), butylated hydroxytoluene (BHT, INS 321) and propyl gallate (INS 310).

478 Some Codex Members allow use of additives with sweetener function in all foods within this Food Category while others limit additives with sweetener function to those foods with significant energy reduction or no added sugars. This limitation may not apply to the appropriate use as a flavour enhancer.

XS309 R Excluding products conforming to the Codex Regional Standard for Halawa Tehenia (CODEX STAN 309R-211).