

Company / organisation name:

IACM compiled data for USA

GSFA Categories in which the use of one or more colors is justified

Paprika INS160c(ii) Use Levels*

FCS No.	Title	Paprika INS160c(ii) Use Levels*		
		Low**	Typical	Max
01.1.2	Dairy-based drinks, flavoured and/or fermented (e.g., chocolate milk, cocoa, eggnog, drinking yoghurt, whey-based drinks)	1	7	14
01.3.2	Beverage whiteners			
01.4.4	Cream analogues	0.5***	1	4
01.5.2	Milk and cream powder analogues	0.5	1	4
01.6.1	Unripened cheese	1	7	14
01.6.2	Ripened cheese	1	7	14
01.6.2.1	Ripened cheese, includes rind	1	7	14
01.6.2.2	Rind of ripened cheese			
01.6.2.3	Cheese powder (for reconstitution; e.g., for cheese sauces)	4	148	576
01.6.4	Processed cheese	0.5	13	49
01.6.4.1	Plain processed cheese			
01.6.4.2	Flavoured processed cheese, including containing fruit, vegetables, meat, etc.	0.5	1	4
01.6.5	Cheese analogues	0.5	13	49
01.7	Dairy-based desserts (e.g., pudding, fruit or flavoured yoghurt)	12	24	49
02.1.3	Lard, tallow, fish oil, and other animal fats			
02.2.1	Emulsions containing at least 80% fat	0.5	1	4
02.2.1.1	Butter and concentrated butter			
02.2.1.2	Margarine and similar products			
02.2.1.3	Blends of butter and margarine			
02.2.2	Emulsions containing less than 80% fat	0.5	1	4
02.3	Fat emulsions mainly of type oil-in-water, including mixed and/or flavoured products based on fat emulsions	1	7	14
02.4	Fat-based desserts excluding dairy-based dessert products of food category 01.7	1	7	14
03.0	Edible ices, including sherbet and sorbet	1	7	14
04.1.1.2	Surface-treated fresh fruit			
04.1.2.2	Dried fruit			
04.1.2.3	Fruit in vinegar, oil, or brine			
04.1.2.4	Canned or bottled (pasteurized) fruit			
04.1.2.5	Jams, jellies, marmelades	1	5	11
04.1.2.6	Fruit-based spreads (e.g., chutney) excluding products of food category 04.1.2.5	1	5	11
04.1.2.7	Candied fruit	1	5	11
04.1.2.8	Fruit preparations, including pulp, purees, fruit toppings and coconut milk	1	5	11
04.1.2.9	Fruit-based desserts, incl. fruit-flavoured water-based desserts	1	5	11
04.1.2.10	Fermented fruit products			
04.1.2.11	Fruit fillings for pastries	1	5	11
04.1.2.12	Cooked fruit			
04.2.1.2	Surface-treated fresh vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds			
04.2.2.2	Dried vegetables, (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweeds, and nuts and seeds			
04.2.2.3	Vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds in vinegar, oil, brine, or soy sauce	1	7	14
04.2.2.4	Canned or bottled (pasteurized) or retort pouch vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds	1	7	14
04.2.2.5	Vegetable, (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed purees and spreads (e.g., peanut butter)	1	7	14
04.2.2.6	Vegetable, (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), seaweed, and nut and seed pulps and preparations (e.g., vegetable desserts and sauces, candied vegetables) other than food category 04.2.2.5	1	7	14
04.2.2.7	Fermented vegetable (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera) and seaweed products, excluding fermented soybean products of food category 12.10	1	7	14
04.2.2.8	Cooked or fried vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe vera), and seaweeds			
05.1.2	Cocoa mixes (syrups)			
05.1.3	Cocoa-based spreads, incl. fillings			
05.1.4	Cocoa and chocolate products			

Notes

Cheese powder is diluted in the final Ready-to-eat product

For orange spreads, a small segment of the market

05.1.5	Imitation chocolate, chocolate substitute products	1	7	14
05.2	Confectionery including hard and soft candy, nougats, etc. other than food categories 05.1, 05.3, and 05.4			
05.2.1	Hard candy	1	7	14
05.2.2	Soft candy	1	11	72
05.2.3	Nougats and marzipans			
05.3	Chewing gum	0.5	38	144
05.4	Decorations (e.g., for fine bakery wares), toppings (non-fruit), and sweet sauces	1	7	29
06.3	Breakfast cereals, including rolled oats	4	36	72
06.4.3	Pre-cooked pastas and noodles and like products	4	36	72
06.5	Cereal and starch based desserts (e.g., rice pudding, tapioca pudding)	12	24	49
06.6	Batters (e.g., for breading or batters for fish or poultry)	0.5	11	36
06.7	Pre-cooked or processed rice products, including rice cakes (Oriental type only)	1	7	14
06.8	Soybean products (excluding soybean products of food category 12.9 and fermented soybean products of food category 12.10)			
07.1.2	Crackers, excluding sweet crackers	0.5	25	72
07.1.4	Bread-type products, including bread stuffing and bread crumbs	0.5	25	72
07.2	Fine bakery wares (sweet, salty, savoury) and mixes	4	36	72
07.2.1	Cakes, cookies and pies (e.g., fruit-filled or custard types)	4	36	72
07.2.2	Other fine bakery products (e.g., doughnuts, sweet rolls, scones, and muffins)	4	36	72
07.2.3	Mixes for fine bakery wares (e.g., cakes, pancakes)	5	72	144
08.1	Fresh meat, poultry and game			
08.1.1	Fresh meat, poultry and game, whole pieces or cuts			
08.1.2	Fresh meat, poultry and game, comminuted			
08.2	Processed meat, poultry, and game products in whole pieces or cuts	1	36	72
08.2.1	Non-heat treated processed meat, poultry, and game products in whole pieces or cuts			
08.2.1.1	Cured (including salted) non-heat treated processed meat, poultry, and game products in whole pieces or cuts			
08.2.1.2	Cured (including salted) and dried non-heat treated processed meat, poultry, and game products in whole pieces or cuts	1	7	14
08.2.1.3	Fermented non-heat treated processed meat, poultry, and game products in whole pieces or cuts			
08.2.2	Heat-treated processed meat, poultry, and game products in whole pieces or cuts	1	7	14
08.2.3	Frozen processed meat, poultry, and game products in whole pieces or cuts			
08.3	Processed comminuted meat, poultry, and game products			
08.3.1	Non-heat treated processed comminuted meat, poultry, and game products	0.5	14	58
08.3.1.1	Cured (including salted) non-heat treated processed comminuted meat, poultry, and game products	0.5	14	58
08.3.1.2	Cured (including salted) and dried non-heat treated processed comminuted meat, poultry, and game products	0.5	11	58
08.3.1.3	Fermented non-heat treated processed comminuted meat, poultry, and game products	0.5	14	58
08.3.2	Heat-treated processed comminuted meat, poultry, and game products	0.5	25	72
08.3.3	Frozen processed comminuted meat, poultry, and game products			
08.4	Edible casings (e.g., sausage casings)	1	7	14
09.1	Fresh fish and fish products, including mollusks, crustaceans, and echinoderms			
09.1.1	Fresh fish			
09.1.2	Fresh mollusks, crustaceans and echinoderms			
09.2	Processed fish and fish products, including mollusks, crustaceans, and echinoderms			
09.2.1	Frozen fish, fish fillets, and fish products, including mollusks, crustaceans, and echinoderms			
09.2.2	Frozen battered fish, fish fillets and fish products, including mollusks, crustaceans, and echinoderms	1	7	14
09.2.3	Frozen minced and creamed fish products, including mollusks, crustaceans, and echinoderms	1	7	14
09.2.4	Cooked and/or fried fish and fish products, including mollusks, crustaceans, and echinoderms	1	7	14
09.2.4.1	Cooked fish and fish products	1	7	14
09.2.4.2	Cooked mollusks, crustaceans, and echinoderms	1	7	14
09.2.4.3	Fried fish and fish products, including mollusks, crustaceans, and echinoderms	1	7	14
09.2.5	Smoked, dried, fermented, and/or salted fish and fish products, including mollusks, crustaceans, and echinoderms	1	7	14
09.3	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms			
09.3.1	Fish and fish products, including mollusks, crustaceans, and echinoderms, marinated and/or in jelly			
09.3.2	Fish and fish products, including mollusks, crustaceans, and echinoderms, pickled and/or in brine			
09.3.3	Salmon substitutes, caviar, and other fish roe products	1	7	14
09.3.4	Semi-preserved fish and fish products, including mollusks, crustaceans, and echinoderms (e.g., fish paste), excluding products of food categories 09.3.1 - 09.3.3	1	7	14

The majority of the color remains with the gum matrix and is not in

Mixes and powders are diluted in the final Ready-to-Eat product

Use rate is for the breading.
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09.4	Fully preserved, including canned or fermented fish and fish products, including mollusks, crustaceans, and echinoderms	1	7	14
10.1	Fresh eggs			
10.2	Egg products	1	7	14
10.2.1	Liquid egg products	1	7	14
10.2.2	Frozen egg products	1	7	14
10.2.3	Dried and/or heat coagulated egg products			
10.3	Preserved eggs, including alkaline, salted, and canned eggs			
10.4	Egg-based desserts (e.g., custard)	5	11	22
11.3	Sugar solutions and syrups, also (partially) inverted, including treacle and molasses, excluding products of food category 11.1.3			
11.4	Other sugars and syrups (e.g., xylose, maple syrup, sugar toppings)			
12.2.2	Seasonings and condiments	1	5	72
12.3	Vinegars	1	7	14
12.4	Mustards	1	7	14
12.5	Soups and broths	0.5	5	14
12.5.1	Ready-to-eat soups and broths, including canned, bottled, and frozen	0.5	5	14
12.5.2	Mixes for soups and broths	0.5	7	22
12.6	Sauces and like products	0.5	7	22
12.6.1	Emulsified sauces (e.g., mayonnaise, salad dressing)	5	11	22
12.6.2	Non-emulsified sauces (e.g., ketchup, cheese sauce, cream sauce, brown gravy)	0.5	6	22
12.6.3	Mixes for sauces and gravies	0.5	6	22
12.6.4	Clear sauces (e.g., fish sauce)	1	7	14
12.7	Salads (e.g., macaroni salad, potato salad) and sandwich spreads excluding cocoa-and nut-based spreads of food categories 04.2.2.5 and 05.1.3	5	11	22
12.9	Protein products			
12.9.1	Soybean protein products	1	7	14
12.9.1.1	Soybean beverage	1	7	14
12.9.1.2	Soybean milk film	1	7	14
12.9.1.3	Other soybean protein products (including non-fermented soy sauce)	1	7	14
12.9.2	Fresh bean curd (tofu)			
12.9.3	Semi-dehydrated bean curd			
12.9.3.1	Thick gravy-stewed semi-dehydrated bean curd			
12.9.3.2	Deep fried semi-dehydrated bean curd			
12.9.3.3	Semi-dehydrated bean curd, other than food categories 12.9.3.1 and 12.9.3.2			
12.9.4	Dehydrated bean curd (kori tofu)			
12.9.5	Other protein products	1	7	14
12.10	Fermented soybean products			
12.10.1	Fermented soybeans (e.g., natto)			
12.10.2	Fermented soybean curd (soybean cheese)	1	7	14
12.10.3	Fermented soybean paste (e.g., miso)			
12.10.4	Fermented soy sauce			
13.3	Dietetic foods intended for special medical purposes (excluding products of food category 13.1)			
13.4	Dietetic formulae for slimming purposes and weight reduction			
13.5	Dietetic foods (e.g., supplementary foods for dietary use) excluding products of food categories 13.1- 13.4 and 13.6			
13.6	Food supplements			
14.1.4	Water-based flavoured drinks, including "sport," "energy," or "electrolyte" drinks and particulated drinks	1	7	14
14.1.4.1	Carbonated water-based flavoured drinks	1	7	14
14.1.4.2	Non-carbonated water-based flavoured drinks, including punches and ades	1	7	14
14.1.4.3	Concentrates (liquid or solid) for water-based flavoured drinks	4	36	72
14.1.5	Coffee, coffee substitutes, tea, herbal infusions, and other hot cereal and grain beverages, excluding cocoa	1	7	14
14.2.1	Beer and malt beverages			
14.2.2	Cider and perry	1	1	4
14.2.3.3	Fortified grape wine, grape liquor wine, and sweet grape wine			
14.2.4	Wines (other than grape)	1	1	4
14.2.6	Distilled spirituous beverages containing more than 15% alcohol			
14.2.7	Aromatized alcoholic beverages (e.g., beer, wine and spirituous cooler-type beverages, low-alcoholic refreshers)	1	1	4
15.0	Ready-to-eat savouries	5	11	22
15.1	Snacks - potato, cereal, flour or starch based (from roots and tubers, pulses and legumes)	0.5	6	22

15.2	Processed nuts, including coated nuts and nut mixtures (with e.g., dried fruit)	0.5	6	22
15.3	Snacks - fish based	5	11	22
16.0	Composite foods - foods that could not be placed in categories 01 - 15			

Notes:

* Use levels are expressed as mg/kg or mg/l (ppm) of total carotenoids, with all extracts standardised to 100,000 colour units (= 7.2% total carotenoids)

** For each food category, the Low is the minimum of all submitted Low values; the Typical is the average of all submitted Typical values; the Max is the maximum of all submitted Max values. Empty cells indicate no data for the category were submitted.

*** Data <0.5 mg/kg or mg/l are shown as 0.5; data >0.5 mg/kg or mg/l are rounded to 1 mg/kg or mg/l; all other values are rounded to the closest integer.

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