

## **F. STANDARDS FOR USE**

## Standards applying specifically to individual food additives

Substance Name	Major Use Category	Target Foods	Maximum Use Level	Other Requirements
<b>A</b>				
Acesulfame Potassium	Sweetener	<i>An</i> (sweetened bean paste). Confectionery (excluding chewing gums)*. Chewing gums. Edible ices (including sherbets, flavored ices, and other similar foods). Fermented milks.* Fermented milk drinks.* Flour pastes. Foods with nutrition claims (tablets only). Fruit wines (all kinds of wines).* Other miscellaneous alcoholic beverages.* Ice creams. Jams. Milk drinks* Moist cakes (including Japanese traditional cakes and Western moist cakes). Nonalcoholic beverages.* Pickles. Sugar substitutes.** <i>Tare</i> (a dip or sauce mainly for Japanese or Chinese foods). Other foods.	2.5 g/kg 2.5 g/kg 5.0 g/kg 1.0 g/kg 0.50 g/kg 0.50 g/kg 1.0 g/kg 6.0 g/kg 0.50 g/kg 0.50 g/kg 1.0 g/kg 1.0 g/kg 0.50 g/kg 2.5 g/kg 0.50 g/kg 1.0 g/kg 1.0 g/kg 0.50 g/kg 1.0 g/kg 15 g/kg 1.0 g/kg 0.35 g/kg	These levels do not apply to foods that are permitted to bear special dietary-use labeling. * In the standards for use, confectionery includes all kinds of confectionery products, such as candies, chocolates, fine bakery products, and Japanese traditional confectionery, but excludes moist cakes which are products containing * Applied to dilutions, in the case of concentrated products.  **Products used by directly adding to drinks, such as coffee and tea, as substitutes for sugar.
Acetaldehyde	Flavoring agent	All foods.		Only for flavoring.
Acetone	Extracting agent	Fats and oils. Guarana nuts.		Only for extracting components from guarana nuts in the manufacturing of guarana beverages or for fractionating components of fats and oils.  Shall be removed before the completion of the final product.
Acetophenone	Flavoring agent	All foods.		Only for flavoring.
Acid Clay	Processing agent	See "Water-insoluble minerals."		
Activated Acid Clay	Processing agent	See "Water-insoluble minerals."		
Aliphatic Higher Alcohols	Flavoring agent	All foods.		Only for flavoring.
Aliphatic Higher Aldehydes (excluding substances generally recognized as highly toxic)	Flavoring agent	All foods.		Only for flavoring.
Aliphatic Higher Hydrocarbons (excluding substances generally recognized as highly toxic)	Flavoring agent	All foods.		Only for flavoring.
Allyl Cyclohexylpropionate	Flavoring agent	All foods.		Only for flavoring.
Allyl Hexanoate	Flavoring agent	All foods.		Only for flavoring.
Allyl Isothiocyanate	Flavoring agent	All foods.		Only for flavoring.
Aluminum Ammonium Sulfate	Raising agent		as aluminum	
	Processing agent	Breads. Confectionery. Moist cakes.	0.1 g/kg 0.1 g/kg 0.1 g/kg	Not permitted in <i>miso</i> (fermented soy bean paste).
	Raising agent	Same as for Aluminum Ammonium Sulfate.		
	Processing agent	Same as for Aluminum Ammonium Sulfate.		
Ammonium Isovalerate	Flavoring agent	All foods.		Only for flavoring.
Ammonium Persulfate	Flour treatment agent	Wheat flour.	0.30 g/kg	
Amyl Alcohol	Flavoring agent	All foods.		Only for flavoring.
(3-Amino-3-carboxypropyl)dimethylsulfonium Chloride	Flavoring agent	All foods.		Only for flavoring.
$\alpha$ -Amylcinnamaldehyde	Flavoring agent	All foods.		Only for flavoring.
Anisaldehyde	Flavoring agent	All foods.		Only for flavoring.
Annatto, Water-soluble Potassium Norbixin Sodium Norbixin	Food color	See the corresponding section for individual standards.		
Annatto Extract	Food color	See "Food colors other than chemically synthesized products."		
$\alpha$ -Apo-8'-carotenal	Food color			Shall not be used in fresh fish/shellfish (including whale meat), <i>konbu</i> (kelp)/ <i>wakame</i> (both Laminariales algae), legumes/pulses, meat, <i>nori</i> (laver), tea, and vegetables.
Aromatic Alcohols	Flavoring agent	All foods.		Only for flavoring.
Aromatic Aldehydes (excluding substances generally recognized as highly toxic)	Flavoring agent	All foods.		Only for flavoring.
Azoxystrobin	Antimolding agent	Citrus fruits (excluding <i>unshu</i> oranges)	0.010 g/kg as maximum residue limit of azoxystrobin	
		Potatoes	0.007 g/kg as maximum residue limit of azoxystrobin	

<b>B</b>				
Beet Red	Food color	See "Food colors other than chemically synthesized products."		
Bentonite	Processing agent	See "Waterinsoluble minerals."		
Benzaldehyde	Flavoring agent	All foods.		Only for flavoring.
Benzoic Acid	Preservative	Caviar. Margarine. Nonalcoholic beverages. Soy sauce. Syrups.	2.5 g/kg 1.0 g/kg 0.60 g/kg 0.60 g/kg 0.60 g/kg	When the additive is used in margarine with sorbic acid, calcium sorbate, or potassium sorbate, or a preparation containing one of these three additives, the sum of the amounts as benzoic acid and sorbic acid shall not exceed 1.0 g/kg.
Benzoyl Peroxide	Flour treatment agent	Wheat flour.		Shall be used only as diluted benzoyl peroxide by mixing with one or more of alum, calcium salts of phosphoric acid, calcium sulfate, calcium carbonate, magnesium carbonate, and starch.
Benzyl Acetate	Flavoring agent	All foods.		Only for flavoring.
Benzyl Alcohol	Flavoring agent	All foods.		Only for flavoring.
Benzyl Propionate	Flavoring agent	All foods.		Only for flavoring.
<b>Biotin</b>	Dietary supplement	Foods with nutrient function claims and foods for specified health uses.		
		Formulated liquid and powdered milks produced from cow's milk (infant formula and follow-up formula).	Not specified	
		Breast milk substitutes (excluding formulated powdered milk). **	Permissible maximum content is 10 µg per 100 kcal in each product.	** In this list, breast milk substitutes include non-milk based formula, such as soy milk.
Black currant color	Food color	See "Food colors other than chemically synthesized products."		
<i>d</i> -Borneol	Flavoring agent	All foods.		Only for flavoring.
Butanol	Flavoring agent	All foods.		Only for flavoring.
Butyl Acetate	Flavoring agent	All foods.		Only for flavoring.
Butylaldehyde	Flavoring agent	All foods.		Only for flavoring.
Butylamine	Flavoring agent	All foods.		Only for flavoring.
sec-Butylamine	Flavoring agent	All foods.		Only for flavoring.
Butyl Butyrate	Flavoring agent	All foods.		Only for flavoring.
Butyl <i>p</i> -Hydroxybenzoate	Preservative	Fruits and fruit vegetables (rinds only). Fruit sauces. Nonalcoholic beverages. Soy sauce. Syrups. Vinegar.	as <i>p</i> -hydroxybenzoic acid 0.012 g/kg of rinds 0.20 g/kg 0.10 g/kg 0.25 g/L 0.10 g/kg 0.10 g/L	
Butylated Hydroxyanisole (BHA)	Antioxidant	Butter. Fats & oils. Fish & shellfish (dried). Fish & shellfish (salted). Fish & shellfish (frozen) (except frozen fish/shellfish and oysters for raw consumption). Mashed potato (dried). Whale meat (frozen) (except frozen products for raw consumption).	as BHA 0.2 g/kg 0.2 g/kg 0.2 g/kg 0.2 g/kg 1 g/kg of a dipping solution 0.2 g/kg 1 g/kg of a dipping solution	When BHA is used in combination with BHT or a preparation containing BHT, the sum of the amounts as BHA and BHT shall not exceed the corresponding levels.
Butylated Hydroxytoluene (BHT)	Antioxidant	Butter. Chewing gums. Fats & oils. Fish & shellfish (dried). Fish & shellfish (salted). Fish & shellfish (frozen) (excluding frozen fish/shellfish and oysters for raw consumption). Mashed potato (dried). Whale meat (frozen) (except frozen products for raw consumption).	as BHT 0.2 g/kg 0.75 g/kg 0.2 g/kg 0.2 g/kg 0.2 g/kg 1 g/kg of a dipping solution 0.2 g/kg 1 g/kg of a dipping solution	When BHT is used in combination with BHA or a preparation containing BHA, the sum of the amounts as BHT and BHA shall not exceed the corresponding levels.
Butyric Acid	Flavoring agent	All foods.		Only for flavoring.
<b>C</b>				
Cacao color	Food color	See "Food colors other than chemically synthesized products."		

Calcium Carboxymethylcellulose	Thickening agent	All foods.	2.0%	When the additives is used with one or more of the following additives, the total amount shall not exceed 2.0%: Methyl cellulose, Sodium carboxymethylcellulose, and Sodium carboxymethylstarch.
Calcium Chloride	Dietary supplement Tofu coagulator	All foods.	1.0% as calcium (Not applied to foods that are permitted to bear "special- dietary- use labeling.")	Only when indispensable for manufacturing or processing the food, or when used for nutritive purposes.
Calcium Citrate	Dietary supplement	All foods.	1.0% as calcium (Not applied to foods that are permitted to bear "special- dietary- use labeling.")	
Calcium Dihydrogen Phosphate	Dietary supplement Processing agent	All foods.	1.0% as calcium. (Not applied to foods that are permitted to bear "special- dietary- use labeling.")	Only when indispensable for manufacturing or processing the food, or when used for nutritive purposes.
Calcium Dihydrogen Pyrophosphate	Dietary supplement Processing agent	All foods.	1.0% as calcium (Not applied to foods that are permitted to bear "special- dietary- use labeling.")	Only when indispensable for manufacturing or processing the food, or when used for nutritive purposes.
Calcium Disodium Ethylenediaminetetraacetate	Antioxidant	Canned and bottled nonalcoholic beverages. Other canned and bottle foods.	as EDTA·CaNa <sub>2</sub> 0.035 g/kg  0.25 g/kg	
Calcium Ferrocyanide	Anticaking agent	Salt.	0.020 g/kg as anhydrous sodium ferrocyanide.	When the additive is used together with either or both of potassium ferrocyanide and sodium ferrocyanide, the total amounts used shall not exceed 0.020 g/kg of salt as anhydrous sodium ferrocyanide.
Calcium Gluconate	Dietary supplement	All foods.	1.0% as calcium (Not applied to foods that are permitted to bear "special- dietary- use labeling.")	Only for nutritive purposes.
Calcium Glycerophosphate	Dietary supplement	All foods.	1.0% as calcium (Not applied to foods that are permitted to bear "special- dietary- use labeling.")	Only for nutritive purposes.
Calcium Hydroxide	Dietary supplement Processing agent	All foods.	1.0% as calcium (Not applied to foods that are permitted to bear "special- dietary- use labeling.")	Only when indispensable for manufacturing or processing the food, or when used for nutritive purposes.
Calcium Lactate	Dietary supplement Processing agent	All foods.	1.0% as calcium (Not applied to foods that are permitted to bear "special- dietary- use labeling.")	
Calcium Monohydrogen Phosphate	Dietary supplement Processing agent	All foods.	1.0% as calcium (Not applied to foods that are permitted to bear "special- dietary- use labeling.")	Only when indispensable for manufacturing or processing the food, or when used for nutritive purposes.
Calcium Pantothenate	Dietary supplement	All foods.	1.0% as calcium (Not applied to foods that are permitted to bear "special- dietary- use labeling.")	
Calcium Propionate	Preservative	Breads and Western cakes (wheat flour bakery products, such as butter cakes and waffles).  Cheeses.	as propionic acid 2.5 g/kg  3.0 g/kg	When the additive is used in cheese with calcium sorbate, potassium sorbate, or sorbic acid, the sum of the amounts as propionic acid and sorbic acid shall not exceed 3.0 g/kg.
Calcium Saccharin	Sweetener	<i>An</i> (sweetened bean paste). Confectionery (including liquid-form and powdered-form as ingredients).	residue limit as sodium saccharine less than: 0.20 g/kg 0.10 g/kg	

		<div>Edible ices (including sherbets, flavored ices, and other similar foods).</div> <div>0.30 g/kg</div> <div>.....</div> <div>Fermented milks (excluding products used as ingredients of fermented milk drinks).</div> <div>0.20 g/kg</div> <div>.....</div> <div>Fermented milks (as ingredients of fermented milk drinks).</div> <div>1.5 g/kg</div> <div>.....</div> <div>Fermented milk drinks.</div> <div>0.30 g/kg</div> <div>.....</div> <div>Fermented milk drinks (as ingredients of fermented milk drinks).</div> <div>1.5 g/kg</div> <div>.....</div> <div>Fish pastes.</div> <div>0.30 g/kg</div> <div>.....</div> <div>Fish/shellfish (processed, excluding fish pastes, <i>tsukudani</i> (foods boiled down with soy sauce), pickles, and canned or bottled products).</div> <div>1.2 g/kg</div> <div>.....</div> <div>Fish/shellfish (canned or bottled processed foods).</div> <div>0.20 g/kg</div> <div>.....</div> <div>Flour pastes.</div> <div>0.20 g/kg</div> <div>.....</div> <div>Ice cream products (including liquid-form and powdered-form as ingredients).</div> <div>0.20 g/kg</div> <div>.....</div> <div>Jams.</div> <div>0.20 g/kg</div> <div>.....</div> <div><i>Kasu-zuke</i> (lee-pickled foods).</div> <div>1.2 g/kg</div> <div>.....</div> <div><i>Koji-zuke</i> (<i>koji</i> (<i>A. oryzae</i>)-pickled foods).</div> <div>2.0 g/kg</div> <div>.....</div> <div>Milk drinks.</div> <div>0.30 g/kg</div> <div>.....</div> <div><i>Miso</i> (fermented soybean paste).</div> <div>0.20 g/kg</div> <div>.....</div> <div><i>Miso-zuke</i> (<i>miso</i>-pickled foods).</div> <div>1.2 g/kg</div> <div>.....</div> <div>Nonalcoholic beverages.</div> <div>0.30 g/kg</div> <div>.....</div> <div>Nonalcoholic beverages (powdered).</div> <div>1.5 g/kg</div> <div>.....</div> <div>Nonalcoholic beverages (only products consumed in 5-fold or more dilution).</div> <div>1.5 g/kg</div> <div>.....</div> <div>Pickles (preserved or pickled foods, excluding those listed in this column).</div> <div>0.20 g/kg</div> <div>.....</div> <div>Processed sea weeds.</div> <div>0.50 g/kg</div> <div>.....</div> <div>Sauces.</div> <div>0.30 g/kg</div> <div>.....</div> <div><i>Shoyu-zuke</i> (soy sauce-pickled foods).</div> <div>1.2 g/kg</div> <div>.....</div> <div>Simmered beans.</div> <div>0.50 g/kg</div> <div>.....</div> <div>Soy sauce.</div> <div>0.50 g/kg</div> <div>.....</div> <div><i>Su-zuke</i> (vinegar-pickled foods).</div> <div>2.0 g/kg</div> <div>.....</div> <div>Syrups.</div> <div>0.30 g/kg</div> <div>.....</div> <div><i>Takuan-zuke</i> (rice bran-pickled radishes).</div> <div>2.0 g/kg</div> <div>.....</div> <div><i>Tsukudani</i> (foods boiled down with soy sauce).</div> <div>0.50 g/kg</div> <div>.....</div> <div>Vinegar.</div> <div>0.30 g/kg</div> <div>.....</div> <div>Vinegar (used in 3-fold or more dilution).</div> <div>0.90 g/kg</div> <div>.....</div> <div>Other foods.</div> <div>0.20 g/kg</div> <div>.....</div>	<p>The maximum levels given left do not apply to foods that are permitted to bear special-dietary-use labeling.</p> <p>When the additive is used with sodiums saccharine, the sum of the residues of both substances shall be less than the corresponding maximum levels as sodium saccharine.</p>
Calcium Silicate	Processing agent	<div>Foods other than breast-milk substitutes or weaning foods.</div> <div>2.0% of each target food.</div> <div>The use level does not apply to foods for specified health uses and foods with nutrient function claims that are in capsule or tablet form.</div>	<p>Not permitted in breast-milk substitutes or weaning foods.</p> <p>When the additive is used with silicon dioxide (fine), the total amount used shall not exceed 2.0%.</p>
Calcium Sorbate	Preservative	<div><i>Amazake</i> (beverages made from rice fermented using <i>koji</i> (<i>A. oryzae</i>), confined to products to be consumed in 3-fold or more dilution).</div> <div>0.30 g/kg</div> <div>.....</div> <div><i>An</i> (sweetened bean paste).</div> <div>1.0 g/kg</div> <div>.....</div> <div>Candied cherries.</div> <div>1.0 g/kg</div> <div>.....</div> <div>Cheeses.</div> <div>3.0 g/kg</div> <div>.....</div> <div>Dried Japanese plums.</div> <div>0.50 g/kg</div> <div>.....</div> <div>Fermented milks (as ingredients of fermented milk drinks).</div> <div>0.30 g/kg</div> <div>.....</div> <div>Fermented milk drinks (excluding sterilized beverages).</div> <div>0.050 g/kg</div> <div>.....</div> <div>Fermented milk drinks (as ingredients of fermented milk drinks, excluding sterilized beverages).</div> <div>0.30 g/kg</div> <div>.....</div> <div>Fish/shellfish, dried (excluding smoked cuttlefish and octopus).</div> <div>1.0 g/kg</div> <div>.....</div> <div>Fish-paste products (excluding surimi).</div> <div>2.0 g/kg</div> <div>.....</div> <div>Flour pastes.*</div> <div>1.0 g/kg</div> <div>.....</div>	<p>as sorbic acid</p> <p>When the additive is used in cheese with propionic acid, calcium propionate, or sodium propionate, the sum of the amounts as propionic acid and sorbic acid shall not exceed 3.0 g/kg.</p> <p>* "Flour pastes," as the target food for sorbic acid, calcium sorbate, and potassium sorbate, refers to any product that is prepared in a paste form by adding sugar, fats/oils, powder milk, eggs, wheat flour, or other similar ingredients to the main ingredient of wheat flour, starch, or nuts, or their processed products, or</p>

		Fruit juice for confectionery. Fruit pastes for confectionery. Fruit wines (all kinds of wines). Other miscellaneous alcoholic beverages. Gnocchi. ** Jams. <i>Kasu-zuke</i> (lees-pickled foods). Ketchup. <i>Koji-zuke</i> ( <i>koji</i> ( <i>A. oryzae</i> )-pickled foods). Margarine. Meat products. <i>Miso</i> (fermented soy bean paste). <i>Miso-zuke</i> ( <i>miso</i> -pickled foods). Salted foods. Sea urchin products. <i>Shoyu-zuke</i> (soy sauce-pickled foods). Simmered beans. Smoked cuttlefish/squid & octopus. Soup (excluding potage-type soup). <i>Su-zuke</i> (vinegar-pickled foods). Syrups. <i>Takuan-zuke</i> (rice bran-pickled radish). <i>Tare</i> (a dip or sauce mainly for Japanese or Chinese foods). <i>Tsukudani</i> (foods boiled down in soy sauce). <i>Tsuyu</i> (a sauce mainly for Japanese noodles). Whale meat products.	1.0 g/kg 1.0 g/kg 0.20 g/kg 0.20 g/kg 1.0 g/kg 1.0 g/kg 1.0 g/kg 0.50 g/kg 1.0 g/kg 1.0 g/kg 2.0 g/kg 1.0 g/kg 1.0 g/kg 1.0 g/kg 2.0 g/kg 1.0 g/kg 1.0 g/kg 1.5 g/kg 0.50 g/kg 0.50 g/kg 1.0 g/kg 1.0 g/kg 0.50 g/kg 1.0 g/kg 0.50 g/kg 1.0 g/kg 0.50 g/kg 2.0 g/kg	cocoa, chocolate, coffee, fruit pulps, fruit juice, cocoa, chocolate, potatoes, beans/peas, or vegetables and pasteurizing, and that is intended for fillings or toppings for breads or confectionery.  ** Gnocchi: cooked dumplings made of boiled potatoes or wheat flour.  When the additive is used in margarine with benzoic acid or sodium benzoate, the sum of the amounts as benzoic acid and sorbic acid shall not exceed 1.0 g/kg.
Calcium Stearoyl Lactylate	Emulsifier	Breads. Butter cake. Confectionery (baked and fried wheat flour products only, excluding butter cakes and sponge cakes). Macaroni and other such products. Mixed powder: for breads. for confectionery (fried wheat flour products only). for confectionery (baked wheat flour products only, excluding butter cakes and sponge cakes). for moist cakes.* for sponge cakes, butter cakes, and steamed breads. for steamed <i>manjyu</i> (bun made by steaming wheat flour <small>あんぱん</small> ). Moist cakes.* Noodles (raw noodles and instant noodles excluding other dry noodles). Sponge cakes. Steamed breads (breads made by steaming wheat flour dough). Steamed <i>manjyu</i> .	4.0 g/kg 5.5 g/kg 4.0 g/kg 4.0 g/kg of dry noodles 5.5 g/kg 5.5 g/kg 5.0g/kg 10g/kg 8.0 g/kg 2.5 g/kg 6.0g/kg 4.5 g/kg of boiled noodles 5.5 g/kg 5.5 g/kg 2.0 g/kg	When the additive is used with sodium stearoyl lactylate, the total amount used shall not exceed the corresponding levels.  * In this section, moist cakes refer to rice flour products only.
Calcium Sulfate	Dietary supplement Tofu coagulator	All foods.	1.0% as calcium (Not applied to foods that are permitted to bear "special dietary use labeling.")	Only when indispensable for manufacturing or processing the food, or when used for nutritive purposes.
Canthaxanthin	Food color	Fish paste products ( <i>kamaboko</i> only).	0.035 g/kg	
Caramel I	Food color	See "Food colors other than chemically synthesized products."		
Caramel II	Food color	See "Food colors other than chemically synthesized products."		
Caramel III	Food color	See "Food colors other than chemically synthesized products."		
Caramel IV	Food color	See "Food colors other than chemically synthesized products."		
Carob Germ Color	Food color	See "Food colors other than chemically synthesized products."		
β-Carotene	Food color Dietary supplement			Not permitted in fresh fish/ shellfish (including whale meat), <i>konbu</i> (kelp)/ <i>wakame</i> (both Laminariales algae), legumes/pulses, meat, <i>nori</i> (laver), tea, or vegetables.
Carrot Carotene	Food color	See "Food colors other than chemically synthesized products."		
Carthamus Red	Food color	See "Food colors other than chemically synthesized products."		
Carthamus Yellow	Food color	See "Food colors other than chemically synthesized products."		
Chloride Dioxide	Flour treatment agent	Wheat flour.		
Chlorophyll	Food color	See "Food colors other than chemically synthesized products."		
Chlorous Acid Water	Sterilizer	Fish and shellfish (including whale meat), fresh.		Shall be decomposed or removed

		Fruits. Legumes/pulses. Meat. Meat products. Rice, polished. Seaweeds. Vegetables (excluding mushrooms) Whale meat, processed. Preserves of the products listed above, which were obtained by adding appropriate treatments, like salting or drying.*	0.40 g/kg of dip or spray solution.	before the completion of the finished product.  * The preserves are not intended to be distributed as is, and Chlorous Acid Water is used in products in a desalted
1,8-Cineole	Flavoring agent	All foods.		Only for flavoring.
Cinnamaldehyde	Flavoring agent	All foods.		Only for flavoring.
Cinnamic Acid	Flavoring agent	All foods.		Only for flavoring.
Cinnamyl Acetate	Flavoring agent	All foods.		Only for flavoring.
Cinnamyl Alcohol	Flavoring agent	All foods.		Only for flavoring.
Citral	Flavoring agent	All foods.		Only for flavoring.
Citronellal	Flavoring agent	All foods.		Only for flavoring.
Citronellol	Flavoring agent	All foods.		Only for flavoring.
Citronellyl Acetate	Flavoring agent	All foods.		Only for flavoring.
Citronellyl Formate	Flavoring agent	All foods.		Only for flavoring.
Cochineal Extract	Food color	See "Food colors other than chemically synthesized products."		
Copper Chlorophyll	Food color	Agar jelly in <i>mitsumame</i> packed into cans or plastic containers. ( <i>mitsumame</i> : foods prepared by mixing agar jelly, cut fruits, green beans, etc. with sugar syrup) Chewing gums. Chocolate. Fish-paste products (excluding <i>surimi</i> ). Fruits and vegetables for preservation* <i>Konbu</i> (kelp). Moist cakes (excluding breads with sweet fillings or toppings).	as copper 0.0004 g/kg  0.050 g/kg 0.0010 g/kg  0.030 g/kg  0.10 g/kg  0.15 g/kg of dry kelp 0.0064 g/kg	* Foods that are processed for preserving, including dried foods, salted foods, pickled foods in vinegar, and preserved foods in syrup.
Copper Gluconate	Dietary supplement	Breast-milk substitutes.  Foods for specified health uses and foods with nutrient function claims.	0.60 mg/L as copper content when formulated into a standard concentration*  5 mg as copper content /recommended daily intake for each food	* Not apply to cases where the additive is used in formulated liquid or powdered milk under the approval of the Minister of Health, Labour and Welfare.
Cupric Sulfate	Dietary supplement	Breast-milk substitute.	0.60 mg/L as copper content when formulated into a standard concentration	Not apply to cases where the additive is used in formulated liquid or powdered milk under the approval of the Minister of Health, Labour and Welfare.
Cyclohexyl Acetate	Flavoring agent	All foods.		Only for flavoring.
Cyclohexyl Butyrate	Flavoring agent	All foods.		Only for flavoring.
L-Cysteine Monohydrochloride	Antioxidant Processing agent	Breads. Fruit juice.		
<b>D</b>				
Decanal	Flavoring agent	All foods.		Only for flavoring.
Decanol	Flavoring agent	All foods.		Only for flavoring.
Diatomaceous Earth	Processing agent	See "Water-insoluble minerals."		
2,3-Diethyl-5-methylpyrazine	Flavoring agent	All foods.		
2,3-Diethylpyrazine	Flavoring agent	All foods.		Only for flavoring.
Difenoconazole	Antimolding agent	Potatoes	as maximum residue limit: 0.004 g/kg	
Diluted Benzoyl Peroxide	Flour treatment agent	Wheat flour.	0.30 g/kg	
Dimethyl Dicarbonate	Sterilizer	Fruit wines (excluding grape wine). Grape wine. Nonalcoholic beverages (excluding minerak waters).	0.25 g/kg 0.20 g/kg 0.25 g/kg	
2,3-Dimethylpyrazine	Flavoring agent	All foods.		Only for flavoring.
2,5-Dimethylpyrazine	Flavoring agent	All foods.		Only for flavoring.
2,6-Dimethylpyrazine	Flavoring agent	All foods.		Only for flavoring.
2,6-Dimethylpyridine	Flavoring agent	All foods.		Only for flavoring.
Diphenyl	Antimolding agent	Grapefruits. Lemons. Oranges.	as residue limit less than: 0.070 g/kg* 0.070 g/kg* 0.070 g/kg*	* Only when used by infiltrating into a piece of paper inserted in a package for storage or transportation.





		Citrus fruits excluding <i>unshu orange</i> . Japanese plums. Kiwifruits. Loquats. Nectarines Peaches. Pears. Pomegranates. Quinces.	0.010 g/kg  0.0050 g/kg 0.020 g/kg 0.0050 g/kg 0.0050 g/kg 0.0050 g/kg 0.0050 g/kg 0.0050 g/kg	For apricots, cherries, Japanese plums, nectarines, and peaches, the corresponding level is applied to a kilogram of whole commodity after removal of stones.
Food Blue No. 1 (Brilliant Blue FCF) and its Aluminum Lake	Food color			
Food Blue No. 2 (Indigo Carmine) and its Aluminum Lake	Food color			
Food Green No. 3 (Fast Green FCF) and its Aluminum Lake	Food color			
Food Red No. 2 (Amaranth) and its Aluminum Lake	Food color			
Food Red No. 3 (Erythrosin) and its Aluminum Lake	Food color			
Food Red No. 40 (Allura Red AC) and its Aluminum Lake	Food color			
Food Red No. 102 (New Coccine)	Food color			
Food Red No. 104 (Phloxine)	Food color			
Food Red No. 105 (Rose Bengal)	Food color			
Food Red No. 106 (Acid Red)	Food color			
Food Yellow No. 4 (Tartrazine) and its Aluminum Lake	Food color			
Food Yellow No. 5 (Sunset Yellow FCF) and its Aluminum Lake	Food color			
Food colors other than chemically synthesized products: Annatto Extract Beet Red Black Currant Color Cacao Color Caramel I Caramel II Caramel III Caramel IV Carob Germ Color Carrot Carotene Carthamus Red Carthamus Yellow Chlorophyll Cochineal Extract Dunaliella Carotene Gardenia Blue Gardenia Red Gardenia Yellow Grape Skin Color Haematococcus Algae Color Kaoliang Color Lac Color Marigold Color Monascus Color Monascus Yellow Onion Color Palm Oil Carotene Paprika Color Purple Corn Color Purple Sweet Potato Color Red Cabbage Color Spirulina Color Tamarind Color Tomato Color Turmeric Oleoresin Other colors from natural sources	Food color			Not permitted in fish/shellfish (including fresh whale meat), <i>konbu</i> (dried kelp)/ <i>wakame</i> (both Laminariales algae), legumes/pulses, meat, meat pickles, <i>miso</i> (fermented soybean paste), noodles (including wantan), <i>nori</i> (laver) and its similar products, soy sauce, sponge cakes, tea leaves, vegetables, or whale meat pickles.
Furfural and its derivatives (excluding substances generally recognized as highly toxic)	Flavoring agent	All foods.		Only for flavoring.
<b>G</b>				
Gardenia Blue	Food color	See "Food colors other than chemically synthesized products."		
Gardenia Red	Food color	See "Food colors other than chemically synthesized products."		
Gardenia Yellow	Food color	See "Food colors other than chemically synthesized products."		
Geraniol	Flavoring agent	All foods.		Only for flavoring
Geranyl Acetate	Flavoring agent	All foods.		Only for flavoring.
Geranyl Formate	Flavoring agent	All foods.		Only for flavoring.
Grape Skin Color	Food color	See "Food colors other than chemically synthesized products."		
Guaiac Resin	Antioxidant	Fats and oils. Butter.	1.0 g/kg 1.0 g/kg	
<b>H</b>				
Haematococcus Algae Color	Food color	See "Food colors other than chemically synthesized products."		
Hexane	Extracting agent			Only for extracting fat/oil in manufacturing edible fat/oil.  Shall be removed before the completion of the final product.
Hexanoic Acid	Flavoring agent	All foods.		Only for flavoring.
Hexylamine	Flavoring agent	All foods.		Only for flavoring.
Hydrochloric Acid	Processing agent.	All foods.		Shall be neutralized or removed before the preparation of the final product.

Hydrogen Peroxide	Sterilizer.	<i>Kamaage-shirasu</i> and <i>shirasuboshi</i>	less than 0.005 g/kg as residue limit	<i>Shirasu</i> , whitebait (immature fry of fish with the length of 5 centimeters or less) that is boiled until its protein is coagulated.  <i>Shirasuboshi</i> : Dried boiled-shirasu.
		Other foods.		Shall be removed or decomposed before the completion of the final product.
Hydroxycitronellal	Flavoring agent	All foods.		Only for flavoring.
Hydroxycitronellal Di-methylacetal	Flavoring agent	All foods.		Only for flavoring.
1-Hydroxyethylidene-1,1-diphosphonic acid	Surface disinfection			Only as an ingredient of peracetic acid composition.
Hypochlorous Acid Water	Sterilizer	All foods.		Shall be removed before the completion of the final product.
Hypobromous Acid Water	Surface disinfection	Meat (excluding poultry).	0.90 g/kg of a dipping or spray solution	Only for surface disinfection.
		Poultry.	0.45 g/kg of a dipping or spray solution	
I				
Imazalil	Antimolding agent	Banana. Citrus fruits except mandarin orange.	as maximum residue limit 0.0020 g/kg 0.0050 g/kg	
Indole and its derivatives	Flavoring agent	All foods.		Only for flavoring.
Ion Exchange Resins	Processing agent	All foods.		Shall be removed before the completion of the final product.
Ionone	Flavoring agent	All foods.		Only for flavoring.
Iron Sesquioxide	Food color	Banana (stem only). <i>Konnyaku</i> (konjac).		For banana, can be used only on stems.
Isoamyl Acetate	Flavoring agent	All foods.		Only for flavoring.
Isoamyl Alcohol	Flavoring agent	All foods.		Only for flavoring.
Isoamyl Butyrate	Flavoring agent	All foods.		Only for flavoring.
isoamyl Formate	Flavoring agent	All foods.		Only for flavoring.
Isoamyl Isovalerate	Flavoring agent	All foods.		Only for flavoring.
Isoamyl Phenylacetate	Flavoring agent	All foods.		Only for flavoring.
Isoamyl Propionate	Flavoring agent	All foods.		Only for flavoring.
Isobutanol	Flavoring agent	All foods.		Only for flavoring.
Isobutylaldehyde	Flavoring agent	All foods.		Only for flavoring.
<b>Isobutylamine</b>	Flavoring agent	All foods.		Only for flavoring.
Isobutyl <i>p</i> -Hydroxybenzoate	Preservative	Same as for "Butyl <i>p</i> -Hydroxybenzoate."		
Isobutyl Phenylacetate	Flavoring agent	All foods.		Only for flavoring.
Isoeugenol	Flavoring agent	All foods.		Only for flavoring.
Isopentylamine	Flavoring agent	All foods.		Only for flavoring.
Isopropanol	Flavoring agent	All foods.		Only for flavoring.
	Extracting agent		as maximum residue limit	Fish protein concentrate is fish meat from which the moisture and fat are removed.
		Fish meat	0.25 g/kg of fish protein concentrate	
		Hop		20 g/kg of hop extract
		Other foods	0.2 g/kg of each extract or a product produced from the extract	Each extract and the finished product produced from an extract (excluding those produced from hop extract or fish protein concentrate)
Isopropylamine	Flavoring agent	All foods.		Only for flavoring.
Isopropyl Citrate	Antioxidant		as monoisopropyl citrate	
		Butter. Fats and oils.	0.10 g/kg 0.10 g/kg	
Isopropyl <i>p</i> -Hydroxybenzoate	Preservative	Same as for "Butyl <i>p</i> -Hydroxybenzoate."		
Isoquinoline	Flavoring agent.	All foods.		Only for flavoring.
Isothiocyanates (excluding substances generally recognized as highly toxic)	Flavoring agent.	All foods.		Only for flavoring.
Isovaleraldehyde	Flavoring agent.	All foods.		Only for flavoring.
K				
Kaoliang Color	Food color	See "Food colors other than chemically synthesized products."		
Kaolin	Processing agent	See "Water-insoluble minerals."		
Ketones	Flavoring agent	All foods.		Only for flavoring.
L				

Lac Color	Food color	See "Food colors other than chemically synthesized products."		
Lactones (excluding substances generally recognized as highly toxic)	Flavoring agent	All foods.		Only for flavoring.
Linalool	Flavoring agent	All foods.		Only for flavoring.
Linalyl Acetate	Flavoring agent	All foods.		Only for flavoring.
Liquid Paraffin	Processing agent.	Breads.	less than 0.10% as residue limit	Only for releasing dough in dividing using an automatic dispenser or in baking.
<b>M</b>				
Magnesium Silicate	Processing agent.			Only as a filtration aid for fats and oils.  Shall be removed before the completion of the final product.
Magnesium Stearate	Processing agent.	Foods not in conventional food form (such as capsules and tablets) Tablet confectioneries.		
Maltol	Flavoring agent	All foods.		Only for flavoring.
D-Mannitol	Antisticking agent	Candies. Chewing gums. <i>Furikake</i> (sprinkles only products containing granules). <i>Rakugan</i> (dried rice-flour cakes). <i>Tsukudani konbu</i> (Kelp boiled down in soy sauce).	40% 20% 50% of granules  30% 25% as maximum residue limit	
	<i>Chomiryo</i> (seasoning)*	All foods.		* When the additive is used as a blend with potassium chloride and glutamates for seasoning foods or enhancing their original flavor, no levels are specified (only cases where D-Mannitol does not exceed 80% of the sum of potassium chloride, glutamates, and D-Mannitol).
Marigold Color	Food color	See "Food colors other than chemically synthesized products."		
<i>d</i> -Menthol	Flavoring agent	All foods.		Only for flavoring.
<i>l</i> -Menthol	Flavoring agent	All foods.		Only for flavoring.
<i>l</i> -Menthyl Acetate	Flavoring agent	All foods.		Only for flavoring.
<i>p</i> -Methylacetophenone	Flavoring agent	All foods.		Only for flavoring.
Methyl Anthranilate	Flavoring agent	All foods.		Only for flavoring.
2-Methylbutanol	Flavoring agent	All foods.		Only for flavoring.
3-Methyl-2-butanol	Flavoring agent	All foods.		Only for flavoring.
3-Methyl-2-butenal	Flavoring agent	All foods.		Only for flavoring.
<i>trans</i> -2-Methyl-2-butenal	Flavoring agent	All foods.		Only for flavoring.
3-Methyl-2-butenol	Flavoring agent	All foods.		Only for flavoring.
2-Methylbutylaldehyde	Flavoring agent	All foods.		Only for flavoring.
2-Methylbutylamine	Flavoring agent	All foods.		Only for flavoring.
Methyl Cellulose	Thickening agent	All foods.	2.0%	When the additives is used with one or more of the following additives, the total amount used shall not exceed 2.0%: Calcium carboxymethylcellulose, Sodium carboxymethylcellulose, and Sodium carboxymethylstarch.
Methyl Cinnamate	Flavoring agent	All foods.		Only for flavoring.
5-Methyl-6,7-dihydro-5 <i>H</i> -cyclopentapyrazine	Flavoring agent	All foods.		Only for flavoring.
Methyl <i>N</i> -Methylanthranilate	Flavoring agent	All foods.		Only for flavoring.
1-Methylnaphthalene	Flavoring agent	All foods.		Only for flavoring.
Methyl β-Naphthyl Ketone	Flavoring agent	All foods.		Only for flavoring.
2-Methylpyrazine	Flavoring agent	All foods.		Only for flavoring.
6-Methylquinoline	Flavoring agent	All foods.		Only for flavoring.
5-Methylquinoxaline	Flavoring agent	All foods.		Only for flavoring.
Methyl Salicylate	Flavoring agent	All foods.		Only for flavoring.
Monascus Color	Food color	See "Food colors other than chemically synthesized products."		
Monascus Yellow	Food color	See "Food colors other than chemically synthesized products."		
Monocalcium Di-L- Glutamate	Seasoning	All foods.	1.0% as calcium (Not applied to foods that are permitted to bear "special dietary-use labeling.")	
Morpholine Salts of Fatty Acids	Coating agent	Rinds of fruits or vegetables.		Only as coating agent.
<b>N</b>				
Natamycin	Processing agent	Natural cheeses.	less than 0.020 g/kg as residue limit	Confined to the surface of hard and semi-hard cheeses.
Nicotinamide	Dietary supplement			Not permitted in fresh fish/shellfish (including fresh whale meat) or meat.
Nicotinic Acid	Dietary supplement			Not permitted in fresh fish/shellfish (including fresh whale meat) or meat.



		Foods not in conventional food form (such as capsules and tablets). Ice creams. Mayonnaise. Milk-fat substitutes. Mix powder for bakery confectionery and Western moist cakes (such as cream puffs; custard puddings; rare cheese cake; fine bakery products with cream, jam, fruits, and their analogue). Pickled seaweeds. Picked vegetables. Sauces. Seasonings accompanying instant noodles (Products packed separately from noodles). Seaweeds, canned and bottled. Shortening. Soup. Vegetables, canned and bottled. Western moist cakes. Yoghurt (sweetened). Other foods.	25 g/kg 3.0 g/kg 3.0 g/kg 5.0 g/kg 3.0 g/kg 0.50 g/kg 0.50 g/kg 5.0 g/kg 5.0 g/kg 0.030 g/kg 5.0 g/kg 1.0 g/kg 0.030 g/kg 3.0 g/kg 3.0 g/kg 0.020 g/kg	to any product that is prepared in a paste form by adding sugar, fats/oils, powder milk, eggs, wheat flour, or other similar ingredients to the main ingredient of cocoa or chocolate and pasteurizing, and that is intended for fillings or toppings for breads or confectionery.
Polysorbate 60	Emulsifier	Same as for "Polysorbate 20."		When the additive is used with one or more of polysorbates 20, 65, and 80, the total amount used shall not exceed the corresponding maximum levels as polysorbate 80.
Polysorbate 65	Emulsifier	Same as for "Polysorbate 20."		When the additive is used with one or more of polysorbates 20, 60, and 80, the total amount used shall not exceed the corresponding maximum levels as polysorbate 80.
Polysorbate 80	Emulsifier	Same as for "Polysorbate 20."		When the additive is used with one or more of polysorbates 60, 65, and 80, the total amount used shall not exceed the corresponding maximum levels as polysorbate 80.
Polyvinyl Acetate	Chewing gum base Film-forming agent	Chewing gums. Rinds of fruits and vegetables.		Only as chewing gum base or film-forming agent.
Polyvinylpyrrolidone	Filtration aid	All foods.		Only as filtration aid. Shall be removed before the completion of the final product.
Polyvinylpyrrolidone	Stabilizer Binding agent Dispersant	Foods not in conventional food form (such as capsules and tablets).		
Potassium Bromate	Flour treatment agent	Breads (only products made of wheat flour).	0.030 g/kg of wheat flour	Shall be decomposed or removed before the completion of the final product.
Potassium Ferrocyanide	Anticaking agent	Salt.	0.020 g/kg as anhydrous sodium ferrocyanide	When the additive is used with either or both of calcium ferrocyanide and sodium ferrocyanide, the total amount used shall not exceed 0.020 g/kg of salt as anhydrous sodium ferrocyanide.
Potassium Hydrogen Sulfite Solution	Antioxidant Bleaching agent <del>Preservative</del>	Same as for "Potassium Metabisulfite."		
Potassium Hydroxide	Processing agent	All foods.		Shall be neutralized or removed before the completion of the final product.
Potassium Hydroxide Solution	Processing agent	All foods.		
Potassium Nitrate	Fermentation regulator	Cheeses. Sake (rice wine).	0.20 g/L of raw milk 0.10 g/L of raw mash	
	Color fixative	Meat products. Whale meat bacon.	as residue limit of NO <sub>2</sub> less than: 0.070 g/kg 0.070 g/kg	
Potassium Norbixin (Annatto, water-soluble)	Food color			Not permitted in fresh fish/shellfish (including whale meat), <i>konbu</i> (kelp)/ <i>wakame</i> (both Laminariales algae) and their similar products, legumes/pulses, meat, <i>nori</i> (laver) and its similar products (except when gold is used on nori), tea leaves, or vegetables.
Potassium Metabisulfite	Antioxidant Bleaching agent	<i>Amanatto</i> (dried candied beans). Candied cherries.*	as residue limit of SO <sub>2</sub> less than: 0.10 g/kg 0.30 g/kg	Not permitted in legumes/ pulses, or sesame seeds, or vegetables.  * Candied cherries: candied, pitted

	Preservative	Dijon mustard.** Dried fruits (excluding raisin). Dried potatoes. Food molasses. Frozen raw crabs.  Fruit wines (all kinds of wines) (excluding squeezed fruit juice containing 1% or more alcohol of by volume that is used for fruit wine, and its concentrates). Gelatin. <i>Kanpyo</i> (dried gourd strips). <i>Konnyakuko</i> (powdered konjac). Other miscellaneous alcoholic beverages. <i>Mizuame</i> (starch syrup). Natural fruit juice (confined to products to be consumed in 5-fold or more). Prawns.  Raisins. Simmered beans. Tapioca starch for saccharification. Other foods (excluding cherries used for candied cherry, hop used for brewing beer, fruit juice used for manufacturing fruit wine, and squeezed fruit juice containing 1% or more alcohol of by volume that is used for fruit wine, and its concentrates).***	0.50 g/kg 2.0 g/kg 0.50 g/kg 0.30 g/kg 0.10 g/kg of shelled crab 0.35 g/kg  0.50 g/kg 5.0 g/kg 0.90 g/kg 0.35 g/kg 0.20 g/kg 0.15 g/kg  0.10 g/kg of shelled prawns. 1.5 g/kg 0.10 g/kg 0.25 g/kg 0.030 g/kg	cherries, which are frosted with crystal sugar or immersed in syrup.  ** Dijon mustard: mustard obtained by grinding and filtering mustard seeds.  ***For "other foods," when a food product is produced using foods listed in the middle column of the table (based on provision No. 2 under Standards applying generally to all food additives, Standard For Use) and when the product contains 0.30 g/kg or more of SO <sub>2</sub> residue, the amount of residue shall be applied to the product.
Potassium Sorbate	Preservative		Same as for Calcium Sorbate.	
Preparations of Tar Colors	Food color			Not permitted in fish pickles, fresh fish/shellfish (including whale meat) <i>kasutera</i> (a type of pound cake), <i>kinako</i> (roasted soybean flour), <i>konbu</i> (kelp)/ <i>wakame</i> (both Laminariales algae), legumes/pulses, marmalade, meat, meat pickles, <i>miso</i> (fermented soybean paste), noodles (including wantan), nori (laver) and its similar products, soy sauce, sponge cakes, tea leaves, vegetables, or whale meat pickles.
Propanol	Flavoring agent	All foods.		Only for flavoring.
Propiconazole	Antimolding agent	Apricots Cherries Citrus fruits (excluding <i>unshu</i> orange) Japanese plums Nectarines Peaches	as maximum residue limit 0.004 g/kg 0.004 g/kg 0.008 g/kg 0.0006 g/kg 0.004 g/kg 0.004 g/kg	For cherries, the limit is applied to the whole commodity after removal of stems and stones. For apricots, Japanese plums, nectarines, and peaches, the corresponding limit is applied to whole commodity after removal of stones.
Propionaldehyde	Flavoring agent	All foods.		Only for flavoring.
Propionic Acid	Preservative	Same as for Calcium Propionate.		
	Flavoring agent	All foods.		
Propylamine	Flavoring agent	All foods.		Only for flavoring.
Propyl Gallate	Antioxidant	Butter. Fats and oils.	0.10 g/kg 0.20 g/kg	
Propyl <i>p</i> -Hydroxybenzoate	Preservative	Same as for Butyl <i>p</i> -Hydroxybenzoate.		
Propylene Glycol	Quality sustainer Processing agent	Crust of Chinese pastry (for <i>shao mai</i> , spring roll, <i>wonton</i> , <i>zaio-z</i> ). Smoked cuttlefish. Raw noodles. Other foods.	1.2% 2.0% 2.0% 0.60%	
Propylene Glycol Alginate	Thickener	All foods.	1.0%	
Purple Corn Color	Food color	See "Food colors other than chemically synthesized products."		
Purple Sweet Potato Color	Food color	See "Food colors other than chemically synthesized products."		
Pyrazine	Flavoring agent	All foods.		Only for flavoring.
Pyrimethanil	Antimolding agent	Apples Apricots Cherries Citrus fruits (excluding <i>unshu</i> orange) Japanese plums Peaches Pears Quinces	as maximum residue limit 0.014 g/kg 0.010 g/kg 0.010 g/kg 0.010 g/kg 0.010 g/kg 0.010 g/kg 0.014 g/kg 0.014 g/kg	

Pyrrole	Flavoring agent	All foods.		Only for flavoring.
Pyrrolidine	Flavoring agent	All foods.		Only for flavoring.
<b>R</b>				
Red Cabbage Color	Food color	See "Food colors other than chemically synthesized products."		
<b>S</b>				
Saccharin	Sweetener	Chewing gums.	0.050 g/kg	
Sand	Processing agent	See "Water-insoluble minerals."		
Silicon Dioxide (fine)	Processing agent	Foods other than breast-milk substitutes or weaning foods.	2.0% as SiO <sub>2</sub>  The use level does not apply to foods for specified health uses and foods with nutrient function claims that are in capsule or tablet form.	Not permitted in breast-milk substitutes or weaning foods.  When the additive is used with calcium silicate, the total amount used shall not exceed 2.0% of each target food.
Silicon Dioxide	Filtration aid	All foods.		Only as filtration aid. Shall be removed before the completion of the final product.
Silicone Resin	Antifoaming agent	All foods.	0.050 g/kg	Only for defoaming.
Sodium Benzoate	Preservative	Caviar. Fruit pastes and fruit juice, including concentrated juice, used for manufacturing confectionery. Margarine. Nonalcoholic beverages. Soy sauce. Syrups.	as benzoic acid 2.5 g/kg 1.0 g/kg  1.0 g/kg 0.60 g/kg 0.60 g/kg 0.60 g/kg	When the additive is used in margarine with sorbic acid, calcium sorbate, or potassium sorbate, the sum of the amounts as benzoic acid and sorbic acid shall not exceed 1.0 g/kg.
Sodium Carboxymethylcellulose	Thickener	All foods.	2.0%	When the additive is used with one or more of the following additives, the total amount shall not exceed 2.0%: Calcium carboxymethylcellulose, Methyl cellulose, and Sodium carboxymethylstarch.
Sodium Carboxymethylstarch	Thickener	All foods.	2.0%	When the additive is used with one or more of the following additives, the total amount shall not exceed 2.0%: Calcium carboxymethylcellulose, Methyl cellulose, and Sodium carboxymethylcellulose.
Sodium Chlorite	Bleaching agent	Cherries. Citrus peels for confectionery. Grapes. <i>Fuki</i> (Japanese butterbur). Peaches. Eggs (shells only). <i>Kazunoko</i> (herring roes), processed, excluding dried and frozen <i>kazunoko</i> . Vegetables for raw consumption.  Meat and meat products.	Not specified.    0.50 g/kg of a dipping or spraying solution.   0.50–1.20 g/kg of a dipping or spraying solution.	Shall be decomposed or removed before the preparation of the final product.    When meat and meat products are treated with this additive, the products shall be soaked in or sprayed with a solution at pH 2.3–2.9 for not longer than 30 seconds.
Sodium Chlorite Solution	Bleaching agent	Same as for "Sodium Chlorite."		
Sodium Chondroitin Sulfate	Humectant	Fish sausages. Mayonnaise. Dressings.	3.0 g/kg 20 g/kg 20 g/kg	
Sodium Copper Chlorophyllin	Food color	Agar jelly in <i>mitsumame</i> (prepared by mixing agar jelly, cut fruits, green beans, etc. with sugar syrup) packed into cans or plastic containers. Candies. Chewing gums. Chocolate. Fish-paste products (excluding <i>surimi</i> ). Fruit and vegetable preserves.* <i>Konbu</i> (kelp). Moist cakes (excluding breads with sweet fillings or toppings). Syrups..	as copper  0.0004 g/kg  0.020 g/kg 0.050 g/kg 0.0064 g/kg  0.040 g/kg 0.10 g/kg 0.15 g/kg of dry kelp 0.0064 g/kg 0.064 g/kg	* Fruit and vegetable preserves include fruits and vegetables that are dried, salted, pickled foods in vinegar, and preserved in syrup.
Sodium Dehydroacetate	Preservative		as dehydroacetic acid	

		Butter. Cheeses. Margarine.	0.50 g/kg 0.50 g/kg 0.50 g/kg	
Sodium Erythorbate	Antioxidant only	Foods other than fish pastes and breads.		Not permitted for nutritive purposes in fish paste products (excluding <i>surimi</i> ) and breads.  Only for antioxidantizing purposes in other foods.
Sodium Ferrocyanide	Anticaking agent	Salt.	0.020 g/kg as anhydrous sodium ferrocyanide	When the additive is used together with either or both of calcium ferrocyanide and potassium ferrocyanide, the total amount used shall not exceed 0.020 g/kg of salt as anhydrous sodium ferrocyanide.
Sodium Hydrogen Sulfite Solution	Antioxidant Bleaching agent Preservative	Same as for "Potassium Metabisulfite."		
Sodium Hydrosulfite	Antioxidant Bleaching agent Preservative	Same as for "Potassium Metabisulfite."		
Sodium Hydroxide	Processing agent	All foods.		Shall be neutralized or removed before the preparation of the final product.
Sodium Hydroxide Solution	Processing agent	All foods.		
Sodium Hypochlorite	Bleaching agent Sterilizer			Not permitted in sesame.
Sodium Iron Chlorophyllin	Food color			Not permitted in fresh fish/shellfish (including fresh whale meat), <i>konbu</i> (kelp)/ <i>wakame</i> (both Laminariales algae), legumes/pulses, meat, <i>nori</i> (laver), tea leaves, or vegetables.
Sodium Methoxide	Processing agent	All foods.		Shall be decomposed before the completion of the final product, and then the methanol produced during the decomposition process be removed.
Sodium Nitrate	Color fixative Fermentation regulator	Same as for Potassium Nitrate.		
Sodium Nitrite	Color fixative	Fish hams Fish sausages. <i>Ikura</i> (salted salmon roe). Meat products. <i>Sujiko</i> (salted salmon ovaries with roe). <i>Tarako</i> (salted cod roe). Whale meat bacon.	as maximum residue limit of nitrite 0.050 g/kg 0.050 g/kg 0.0050 g/kg 0.070 g/kg 0.0050 g/kg 0.0050 g/kg 0.070 g/kg	
Sodium Norbixin (Annato, water-soluble)	Food color			Same as for Potassium Norbixin.
Sodium Oleate	Film-forming agent	Rinds of fruits and fruit vegetables.		Only for coating.
Sodium <i>o</i> -Phenylphenate	Antimolding agent	Citrus fruits.	0.010g /kg as maximum residue limit of <i>o</i> -phenylphenol	
Sodium Polyacrylate	Thickener	All foods.	0.20%	
Sodium Propionate	Preservative	Same as for "Calcium Propionate."		
Sodium Metabisulfite	Antioxidant Bleaching agent Preservative	Same as for "Potassium Metabisulfite."		
Sodium Saccharin	Sweetener	Same as for Calcium Saccharin		When the additive is used with calcium saccharine, the sum of the residues of both additives shall be less than the corresponding maximum residue limits of Sodium Saccharine.
Sodium Selenite	Dietary supplement	Formulated liquid and powdered milks produced from cow's milk (infant formula and follow-up formula)  Breast milk substitutes (excluding formulated powdered milk).	Not specified.  5.5 µg as Se content /100 kcal for each product.	
Sodium Stearoyl Lactylate	Emulsifier	Same as for Calcium Stearoyl Lactylate.  Each maximum use amount of Sodium Stearoyl Lactylate shall be calculated as Calcium Stearoyl Lactylate.		When the additive is used with calcium stearoyl lactylate, the total amount used shall not exceed the corresponding levels as calcium stearoyl lactylate.
Sodium Sulfite	Antioxidant Bleaching agent Preservative	Same as for "Potassium Metabisulfite."		
Sorbic Acid	Preservative	Amazake (beverages made from rice fermented using <i>koji</i> ( <i>A. oryzae</i> ), confined to products to be consumed in 3-fold or more dilution).	as sorbic acid 0.30 g/kg	



[illegible]

		Banana (pulp). Citrus fruits.	0.0004 g/kg 0.010 g/kg	
Thioethers (excluding substances generally recognized as highly toxic)	Flavoring agents	All foods.	,	Only for flavoring.
Thiols (excluding substances generally recognized as highly toxic)	Flavoring agents	All foods.		Only for flavoring.
Titanium Dioxide	Food color			Only for coloring.  Not permitted in fish pickles, fresh fish/shellfish (including whale meat) <i>kasutera</i> (a type of pound cake), <i>kinako</i> (roasted soybean flour), <i>konbu</i> (kelp)/ <i>wakame</i> (both Laminariales algae), legumes/pulses, marmalade, meat, meat pickles, <i>miso</i> (fermented soybean paste), noodles (including wantan), <i>nori</i> (laver), soy sauce, sponge cakes, tea leaves, vegetables, or whale meat pickles.
<i>dl</i> - $\alpha$ -Tocopherol	Antioxidant	All foods.		Only for antioxidantizing, except when the additive is included in a preparation of $\beta$ -carotene, vitamin A, vitamin A esters of fatty acids, or liquid paraffin.
<i>All-rac</i> - $\alpha$ -Tocopheryl Acetate	Dietary supplement	Foods for specified health uses and foods with nutrient function claims.	150 mg as $\alpha$ -tocopherol in the recommended daily intake of each target food.	
<i>RRR</i> - $\alpha$ -Tocopheryl Acetate	Dietary supplement	Same as for " <i>All-rac</i> - $\alpha$ -Tocopheryl Acetate."		
Tomato Color	Food color	See "Food colors other than chemically synthesized products."		
Tricalcium Phosphate	Dietary supplement Fermentation aid	All foods.	1.0% as Ca (Not applied to foods approved to be labeled as "special dietary use.")	Only when indispensable for manufacturing or processing the food, or when used for nutritive purposes.
Triethyl Citrate	Emulsifier Stabilizer	Foods not in conventional food form (capsules and tablets only, except chewable tablets).  Dried egg (products produced by drying liquid egg).  Liquid egg (sterilized products only):  Non-alcohol beverages, except mineral waters	3.5 g/kg  2.5 g/kg 2.5 g/kg 0.2 g/kg (per kg of dilution for products intended to be consumed diluted)	
	Flavor	All foods.	Not specified	
Trimethylamine	Flavoring agent	All foods.		Only for flavoring.
2,3,5-Trimethylpyrazine	Flavoring agent	All foods.		Only for flavoring.
Turmeric Oleoresin	Food color	See "Food colors other than chemically synthesized products."		
<b>U</b>				
$\gamma$ -Undecalactone	Flavoring agent	All foods.		Only for flavoring.
<b>V</b>				
Valeraldehyde	Flavoring agent	All foods.		Only for flavoring.
Vanillin	Flavoring agent	All foods.		Only for flavoring.
<b>W</b>				
Water-insoluble Minerals:  Acid Clay Activated Acid Clay Bentonite Diatomaceous Earth Kaolin Perlite Sand Talc* Other similar substances	Processing agent	All foods.	as maximum residue limit 0.50%  * 5.0% (when talc is used solely in chewing gums)	Only when indispensable for manufacturing or processing the food.  When two or more of the additives listed in this section are used together, the sum of the residues of them shall not exceed 0.50% of the corresponding foods.
<b>X</b>				
<b>Z</b>				
Zinc Gluconate				

	Dietary supplement	Breast-milk substitutes.	6.0 mg/L as zinc, when formulated in a standard concentration	Not applied to cases where the additive is used in formulated liquid or powdered milk under the approval of the Minister of Health, Labour and Welfare.
		Foods for specified health uses. Foods for the ill, which is categorized as "foods for special dietary uses." Foods with nutrient function claims.	15 mg as zinc/ recommended daily intake of each food	
Zinc Sulfate	Dietary supplement	Breast-milk substitutes.	6.0 mg/L as zinc, when formulated into a standard concentration.	Not applied to cases where the additive is used in formulated liquid or powdered milk under approval by the Minister of Health, Labour and Welfare.
		Yeast nutrient	Effervescent alcoholic beverages	0.0010 g/kg of beverage as zinc.