

List of Existing Food Additives

This list of food additives from natural origin, translation from its Japanese original, was first compiled and published by the Ministry of Health and Welfare on April 16, 1996, followed by removal of some listed additives several times. These additives do not include substances obtained by causing chemical-reactions, excluding decomposition, to elements or compounds using chemical means.

These additives (357 in total as of February 26, 2020) are enumerated here in alphabetic order. The number preceding the name of each additive is the sequence number given to the corresponding additive in the original Japanese list.

updated on Feb.26, 2020

No.	Name	Note
231	Absinth extract	A substance composed mainly of sesquiterpenes obtained from the whole absinth grass.
10	α -Acetolactate decarboxylase	-
142	Acid clay	-
143	Acid phosphatase	-
3	Actinidine	-
55	Activated acid clay	-
54	Active carbon	A substance obtained by carbonizing and activating carbon-containing substances.
5	Acylase	-
11	5'-Adenylic acid	-
2	Agarase	-
4	Agrobacterium succinoglycan	A substance composed mainly of succinoglycan obtained from the cultured solution of bacteria belonging to Agrobacterium.
17	L-Alanine	-
23	Alginate lyase	-
22	Alginic acid	-
24	Aluminium	-
191	Amino acid-sugar reaction product	A substance obtained by heating the mixture of amino acids and monosaccharides.
14	Aminopeptidase	-
15	alpha-Amylase	-
16	beta-Amylase	-
12	Annatto extract	A substance composed mainly of norbixin and bixin obtained from the seed coats of annatto.
25	Anthocyanase	-
19	Arabino galactan	-
20	L-Arabinose	-
21	L-Arginine	-
141	Artemisia sphaerocephala seed gum	A substance composed mainly of polysaccharides obtained from the seed coats of SABAKU-YOMOGI (Artemisia sphaerocephala KRASCH).
6	Ascorbate oxidase	-
7	L-Asparagine	-
8	L-Aspartic acid	-
9	Aspergillus terreus glycoprotein	A substance composed mainly of glycoprotein obtained from the cultured solution of mould belonging to Aspergillus terreus.
1	Aureobasidium cultured solution	A substance composed mainly of beta-1, 3-1, 6-glucan obtained from the cultured solution of yeast belonging to Aureobasidium.
225	Bacillus natto gum	A substance composed mainly of polyglutamic acid obtained from the cultured solution of bacteria belonging to Bacillus natto.
313	Bees wax	A substance composed mainly of myricyl palmitate obtained from honeycomb.
248	Beet red	A substance composed mainly of betanin and isobetanin obtained from beet roots.
296	Bentonite	-
283	Betaine	-
131	Bone charcoal	A substance composed mainly of carbon powder and calcium phosphate obtained from bovine bones.
264	Brazilian licorice extract	A substance composed mainly of peliandorin obtained from Brazilian licorice roots.
271	Bromelain	-

179	Buckwheat ash extract	A substance obtained by extraction from the ashes of buckwheat stems or leaves.
260	Butane	-
49	Cacao colour	A substance composed mainly of polymers of anthocyanins obtained from cacao beans.
59	Caffeine (extract)	A substance composed mainly of caffeine obtained from coffee beans or tea leaves.
158	Calcinated calcium	A substance composed mainly of calcium compounds obtained by calcinating sea urchinshells, shells, coral, whey, bones or eggshells.
76	Candelilla wax	A substance composed mainly of hentriacontane obtained from candelilla stems.
140	Cane wax	A substance composed mainly of myricyl palmitate obtained from cane stems.
211	Capsicum water-soluble extract	A substance composed mainly of water-soluble substances obtained by extraction from capsicum fruits.
64	Caramel I (plain)	A substance obtained by heat-treating food-grade carbohydrates including starch hydrolysates, molasses or saccharides, excluding "Caramel II", "Caramel III" and "Caramel IV".
65	Caramel II (caustic sulfite process)	A substance obtained by adding sulfite compounds to, and heat-treating, food-grade carbohydrates including starch-hydrolysates, molasses or saccharides, excluding "Caramel IV".
66	Caramel III (ammonia process)	A substance obtained by adding ammonium compounds to, and heat-treating, food-grade carbohydrates including starch-hydrolysates, molasses or saccharides, excluding "Caramel IV".
67	Caramel IV (sulfite ammonia process)	A substance obtained by adding sulfite compounds and ammonium compounds to, and heat-treating, food-grade carbohydrates including starch-hydrolysates, molasses or saccharides.
70	Carboxypeptidase	-
69	Carnauba wax	A substance composed mainly of ceryl hydroxycerotate obtained from the leaves of carnauba trees.
72	Carob bean gum	A substance obtained by grinding, or dissolving and precipitating the seed albumens of locust beans.
71	Carob germ colour	A substance obtained by grinding the seed germs of locust beans.
60	Carrageenan	A substance composed mainly of ι -carrageenan, κ -carrageenan and λ -carrageenan obtained from the whole algae of IBARA-NORI (<i>Hypneaceae hypnea</i>), KIRINSAI (<i>Solieriaceae eucheuma</i>), GINNANSOU (<i>Gingartinaceae iridaea</i>), SUGI-NORI (<i>Gingartinaceae gigartina</i>), or TSUNOMATA (<i>Gingartinaceae chondrus</i>).
233	Carrot carotene	A substance composed mainly of carotene obtained from carrot roots.
286	Carthamus red	A substance composed mainly of carthamin obtained from safflower flowers.
287	Carthamus yellow	A substance composed mainly of safflor yellow obtained from safflower flowers.
52	Cassia gum	A substance composed mainly of polysaccharides obtained by grinding the seeds of EBISU-GUSA-MODOKI (<i>Cassia tora</i> LINN.).
53	Catalase	-
57	Catechin	-
176	Cellulase	-
325	Charcoal	A substance obtained by carbonizing bamboo or wood.
194	Chicle	A substance composed mainly of amyirin acetate and polyisoprenes obtained from the secretion of sapodilla trees.
198	Chilte	A substance composed mainly of amyrine acetate and polyisoprenes obtained from the secretion of chilte trees (<i>Chidoscolus elasticus</i> LUNDELL).
330	Chinese bayberry extract	A substance obtained by extraction from the fruits, bark, or leaves of Chinese bayberry.
81	Chitin	-
80	Chitinase	-
83	Chitosan	-
82	Chitosanase	-
114	Chlorophyll	-
113	Chlorophylline	-
212	Cholesterol	A substance composed mainly of cholesterol obtained from fish oil or "lanolin".

112	Clove extract	A substance composed mainly of eugenol obtained from the buds, leaves or flowers of clove.
130	Cochineal extract	A substance composed mainly of carminic acid obtained from cochineal insects.
227	Coffee bean extract	A substance composed mainly of chlorogenic acid and polyphenols obtained from coffee beans.
209	Copper	-
99	Cristobalite	-
178	Crude magnesium chloride (sea water)	A substance composed mainly of magnesium chloride obtained by separating potassium chloride and sodium chloride from sea water.
177	Crude potassium chloride (sea water)	A substance composed mainly of potassium chloride obtained by separating sodium chloride from sea water.
58	Curdlan	A substance composed mainly of β -1,3-glucans obtained from the cultured solution of bacteria belonging to <i>Agrobacterium</i> or <i>Alcaligenes</i> .
145	Cyanocobalamin	-
150	Cyclodextrin	-
151	Cyclodextrin glucanotransferase	-
152	L-Cystine	-
155	5'-Cytidylic acid	-
202	5'-Deaminase	-
203	Depolymerized natural rubber	A substance composed mainly of polyisoprenes obtained by decomposing the secretion of para rubber trees.
206	Dextran	-
205	Dextranase	-
116	Diatomaceous earth	-
208	Dunaliella carotene	A substance composed mainly of β -carotene obtained from the whole alga of <i>dunaliella</i> .
39	Elemi resin	A substance composed mainly of β -amyrin obtained from the secretion of elemi trees.
126	Enzymatically decomposed apple extract	A substance composed mainly of catechins and chlorogenic acid obtained by enzymatically decomposing apple fruits.
127	Enzymatically decomposed lecithin	A substance composed mainly of phosphatidic acid and lysolecithin obtained from vegetable "lecithin" or "yolk lecithin".
137	Enzymatically decomposed rice bran	A substance composed mainly of phytic acid and peptides obtained from dewaxed rice bran.
347	Enzymatically decomposed rutin	A substance composed mainly of isoquercitrin obtained from "rutin (extract)".
90	Enzymatically hydrolyzed guar gum	A substance composed mainly of polysaccharides obtained by grinding and hydrolyzing guar seeds.
125	Enzymatically hydrolyzed licorice extract	A substance composed mainly of glycyrrhetic acid-3-glucuronide obtained by enzymatically hydrolyzing a "licorice extract".
122	Enzymatically modified hesperidin	A substance obtained by adding glucose to "hesperidin" using cyclodextrin glucosyl transferase.
120	Enzymatically modified isoquercitrin	A substance composed mainly of alpha-glucosylquercetin obtained from "enzymatically decomposed rutin".
124	Enzymatically modified lecithin	A substance composed mainly of phosphatidylglycerol obtained from "vegetable lecithin" or "yolk lecithin".
121	Enzymatically modified naringin	A substance composed mainly of α -glucosylnaringin obtained from "naringin".
123	Enzymatically modified rutin (extract)	A substance composed mainly of α -glucosylrutin obtained from "rutin (extract)".
169	Essential oil-removed fennel extract	A substance composed mainly of glucosyl sinapiranol obtained from fennel seeds.
38	Esterase	-
37	Exomaltotetraohydrolase	-
258	Ferulic acid	-
254	Ficin	-
273	Fractionated lecithin	A substance composed mainly of sphingomyelin, phosphatidyl inositol, phosphatidyl ethanolamine and phosphatidyl choline obtained from "vegetable lecithin" or "yolk lecithin".
265	Fructosyl transferase	-
259	Fukuronori extract	A substance composed mainly of polysaccharides obtained from FUKURO-NORI (<i>Gloiopeltis furcata</i> POSTEL et RUPR).

252	Furcellaran	A substance composed mainly of polysaccharides obtained from the whole algae of furcellaria (<i>Furcellaria fastigiata</i> HUD).
61	α -Galactosidase	-
62	β -Galactosidase (Lactase)	-
299	Gallic acid	-
94	Gardenia blue	A substance obtained by adding β -glucosidase to the mixture of iridoid glycosides obtained from gardenia fruits and protein-decomposed substances.
95	Gardenia red	A substance obtained by adding β -glucosidase to the mixture of esterhydrolysates of iridoid glycosides obtained from gardenia fruits and protein-decomposed substances.
96	Gardenia yellow	A substance composed mainly of crocin and crocetin obtained from gardenia fruits.
148	Gellan gum	A substance composed mainly of polysaccharides obtained from the cultured solution of bacteria belonging to <i>Pseudomonas elodea</i> .
117	Gentian root extract	A substance composed mainly of amarogentin and gentiopicroside obtained from gentian roots or rhizomes (<i>Gentiana lutea</i> LINNE).
157	Ginger extract	A substance composed mainly of shogaol and zingerol obtained from ginger rhizomes.
100	Glucanase	-
101	Glucoamylase	-
102	Glucosamine	-
107	Glucose isomerase	-
108	Glucose oxidase	-
103	α -Glucosidase	-
104	β -Glucosidase	-
105	α -Glucosyltransferase	-
106	α -Glucosyltransferase-treated stevia	A substance composed mainly of α -glucosylsteviosides obtained from a "stevia extract".
109	Glutaminase	-
110	L-Glutamine	-
87	Gold	-
51	Granite porphyry	-
263	Grape seed extract	A substance composed mainly of proanthocyanidins obtained from the seeds of American grapes or grapes
261	Grape skin colour	A substance composed mainly of anthocyanins obtained from the pericarps of American grapes or grapes.
262	Grape skin-derived substance	A substance composed mainly of polyphenols obtained from the pericarps of American grapes or grapes.
111	Grapefruit seed extract	A substance composed mainly of fatty acids and flavonoids obtained from grapefruit seeds.
91	Guaiac resin (Guajac resin)	A substance composed mainly of guaiaconic acid, guaiaretic acid, and β resin obtained from the trunks/branches of guaiacum trees.
92	Guajac resin (extract)	A substance composed mainly of α - and β -guaiaconic acids obtained from the secretion of guaiacum trees.
89	Guar gum	A substance composed mainly of polysaccharides obtained from guar seeds, excluding "Enzymatically hydrolyzed guar gum".
18	Gum Arabic	A substance composed mainly of polysaccharides obtained from the secretion of acacia trees.
56	Gum ghatti	A substance composed mainly of polysaccharides obtained from the secretion of ghatti trees (<i>Anogeissus latifolia</i> WALL.).
97	Gutta hang kang	A substance composed mainly of amyirin acetate and polyisoprenes obtained from the secretion of gutta hang kang trees (<i>Palaquium leiocarpum</i> BOERL.).
98	Gutta percha	A substance composed mainly of polyisoprenes obtained from the secretion of gutta percha trees (<i>Palaquium gutta</i> BURCK.).
292	Haematococcus algae colour	A substance composed mainly of astaxanthin obtained from the whole alga of haematococcus (<i>Haematococcus</i> C.A.AGARCH).
295	Helium	-
294	Heme iron	-
293	Hemicellulase	-
290	Heptane	-
282	Hesperidin	-
281	Hesperidinase	-

277	Hexane	-
118	Higher fatty acid	A substance obtained by hydrolyzing animal or vegetable fats/oils or their hardened fats/oils.
247	L- Histidine	
170	Horseradish extract	A substance composed mainly of isothiocyanates obtained from horseradish roots.
244	Hyaluronic acid	-
163	Hydrogen	-
249	L-Hydroxyproline	-
31	Inositol	-
30	Inulinase	-
32	Invertase	-
207	Iron	-
27	Iso- α -bitter acid	A substance composed mainly of isohumulones obtained from hop flowers.
26	Isoamylase	-
28	Isomaltodextranase	-
156	Jamaica quassia extract	A substance composed mainly of quassin and neoquassin obtained from the trunks/branches or bark of Jamaica quassia trees.
326	Japan wax	A substance composed mainly of glycerol palmitate obtained from the fruits of Japanese wax trees (<i>Rhus succedanea</i> LINNE).
50	Japanese persimmon colour	A substance composed mainly of flavonoids obtained from Japanese persimmon fruits.
149	Jelutong	A substance composed mainly of amyirin acetate and polyisoprenes obtained from the secretion of jelutong trees.
300	Jojoba wax	A substance composed mainly of icosenyl icosenate obtained from jojoba fruits.
129	Kaoliang colour	A substance composed mainly of apigeninidin and luteolinidin obtained from kaoliang seeds.
48	Kaolin	-
68	Karaya gum	A substance composed mainly of polysaccharides obtained from the secretion of KARAYA trees (<i>Sterculia urens</i> ROXB.) or silk cotton trees (<i>Cochlospermum gossypium</i> A.P.DeCandolle).
335	Lac colour	A substance composed mainly of laccaic acids obtained from the secretion of lac scale insects (<i>Laccifer lacca</i> KERR).
334	Lactoferrin concentrates	A substance composed mainly of lactoferrin obtained from mammals' milk.
333	Lactoperoxidase	-
336	Lanolin	A substance composed mainly of esters of higher alcohols and α hydroxylic acids obtained from waxy substances bearing the surface of sheep wool.
351	Leche de vaca	A substance composed mainly of esters of amyirin obtained from the secretion of leche de vaca trees (<i>Brosimum utile</i> (H.B.K.) PITT.).
353	L-Leucine	-
74	Licorice extract	A substance composed mainly of glycyrrhizic acid obtained from the roots or rhizomes of Chinese licorice, Xinjiang licorice or licorice.
75	Licorice oli extract	A substance composed mainly of flavonoids obtained from the roots or rhizomes of Chinese licorice, Xinjiang licorice or licorice.
13	Linseed gum	A substance composed mainly of polysaccharides obtained from linseeds.
346	Lintar cellulose	A substance composed mainly of cellulose obtained from cotton single pilus.
342	Lipase	-
343	Lipoxygenase	-
345	Liquid paraffin	-
354	Logwood colour	A substance composed mainly of haematoxylin obtained from the heart wood of logwood.
340	L-Lysine	-
341	Lysozyme	-
304	Macrophomopsis gum	A substance composed mainly of polysaccharides obtained from the cultured solution of microorganism belonging to <i>Macrophomopsis</i> .
309	Maltose phosphorylase	-
310	Maltotriohydrolase	-

350	Mannentake extract	A substance obtained by extraction from the mycelium or fruit body of MANNENTAKE (<i>Ganoderma lucidum</i> KARST.) or its cultured solution.
308	Marigold colour	A substance composed mainly of xanthophylls obtained from marigold flowers.
307	Massaranduba balata	A substance composed mainly of amyirin acetate and polyisoprenes obtained from the secretion of massaranduba balata trees.
306	Massaranduba chocolate	A substance composed mainly of amyirin acetate and polyisoprenes obtained from the secretion of massaranduba chocolate trees.
305	Mastic gum	A substance composed mainly of masticadienonic acid obtained from the secretion of mastic trees.
321	Melaleuca oil	A substance composed mainly of essential oil obtained from melaleuca leaves.
319	Menaquinone (extract)	A substance composed mainly of menaquinone-4 obtained from the cultured solution of bacteria belonging to <i>Arthrobacter</i> .
320	Mevalonic acid	-
303	Microcrystallin wax	-
245	Microcrystalline cellulose	A substance composed mainly of crystalline cellulose obtained from pulp.
246	Microfibrillated cellulose	A substance composed mainly of cellulose obtained by microfibrillating pulp or cotton.
162	Milt protein	A substance composed mainly of basic proteins obtained from fish testes.
312	Mixed tocopherols	A substance composed mainly of d- α -, d- β -, d- γ - and d- δ -tocopherols obtained from vegetable oils.
285	Monascus colour	A substance composed mainly of ankaflavin and monascolubrin obtained from the cultured solution of mould belonging to <i>Monascus</i> .
284	Monascus yellow	A substance composed mainly of xanthomonacins obtained from the cultured solution of mould belonging to <i>Monascus</i> .
322	Mousouchiku dry distillate	A substance obtained by dry distillation from the stems of MOUSOUCHIKU bamboo (<i>Phyllostachys heterocyclus</i> MITF.).
323	Mousouchiku extract	A substance composed mainly of 2,6-dimethoxy-1,4-benzoquinone obtained from the stem skins of MOUSOU-CHIKU bamboo (<i>Phyllostachys heterocyclus</i> MITF.).
318	Muramidase	-
63	Mustard extract	A substance composed mainly of allyl isothiocyanate obtained from Indian mustard seeds.
314	Myrrh	A substance obtained by extraction from the secretion of myrrh trees.
229	Naringin	-
228	Naringinase	-
232	Nickel	-
230	Niger gutta	A substance composed mainly of amyirin acetate and polyisoprenes obtained from the secretion of niger gutta trees (<i>Ficus platyphylla</i> DELILE.).
195	Nitrogen	-
311	Non-calcinated calcium	A substance composed mainly of calcium salts obtained by drying shells, pearl layers, coral, bones or eggshells.
43	Oligogalacturonic acid	-
185	Onion colour	A substance composed mainly of quercetin obtained from onion bulbs.
46	Orange colour	A substance composed mainly of carotene and xanthophylls obtained from the fruits or peels of AMA-DAIDAI (<i>Citrus sinensis</i> OSBECK).
45	Oregano extract	A substance composed mainly of carvacrol and thymol obtained from oregano leaves.
44	γ -Oryzanol	A substance composed mainly of both esters consisting of each combination of sterols and ferulic acid, and triterpene alcohols and ferulic acid obtained from rice bran or germ oil.
144	Oxygen	-
41	Ozokerite	-
42	Ozone	-
241	Palladium	-
239	Palm oil carotene	A substance composed mainly of carotene obtained from oil palm fruits.
243	Pancreatin	-
238	Papain	-
210	Paprika colour	A substance composed mainly of capsanthins obtained from capsicum fruits.

242	Paraffin wax	-
329	Peach gum	A substance composed mainly of polysaccharides obtained from the secretion of peach trees.
276	Pecan nut colour	A substance composed mainly of flavonoids obtained from the pericarps or astringent skins of pecan nuts.
279	Pectin	-
280	Pectin digests	A substance composed mainly of galacturonic acid obtained from "pectin".
278	Pectinase	-
289	Pepsin	-
291	Peptidase	-
153	Perilla extract	A substance composed mainly of terpenoids obtained from perilla seeds or leaves.
240	Perlite	-
236	Peroxidase	-
226	Petroleum naphtha	-
253	Phaffia colour	A substance composed mainly of astaxanthins obtained from the cultured solution of yeast belonging to Phaffia.
85	Phellodendron bark extract	A substance composed mainly of berberine obtained from the bark of phellodendron trees (Phellodendron amurense RUPR.).
297	Phosphodiesterase	-
298	Phospholipase	-
255	Phytase	-
256	Phytic acid	A substance composed mainly of inositol hexaphosphate obtained from rice bran or corn seeds.
257	Phytin (extract)	A substance composed mainly of magnesium inositol hexaphosphate obtained from rice bran or corn seeds.
237	Platinum	-
302	ϵ -Polylysine	-
301	Polyphenol oxidase	-
190	Powdered bile	A substance composed mainly of cholic acid and desoxycholic acid obtained from bile.
274	Powdered cellulose	A substance composed mainly of cellulose obtained by decomposing pulp, excluding "Microcrystalline cellulose".
275	Powdered rice hulls	A substance composed mainly of cellulose obtained from rice hulls.
165	Powdered stevia	A substance composed mainly of steviol glycosides obtained by grinding stevia leaves.
272	L-Proline	-
269	Propane	-
270	Propolis extract	A substance composed mainly of flavonoids obtained from honeycomb.
268	Protease	-
139	Psyllium seed gum	A substance composed mainly of polysaccharides obtained from the seed coats of blond psyllium.
267	Pullulan	-
266	Pullulanase	-
316	Purple corn colour	A substance composed mainly of cyanidine-3-glucoside obtained from corn seeds.
315	Purple sweet potato colour	A substance composed mainly of cyanidine acylglucosides and peonidin acylglucosides obtained from the tuberous roots of sweet potatoes.
317	Purple yam colour	A substance composed mainly of cyanidine acylglucosides obtained from yam tuberous roots.
93	Quercetin	-
168	Quicklime	-
86	Quillaia extract (Quillaja extract)	A substance composed mainly of saponins obtained from the bark of quillaia trees.
332	Rakanka extract	A substance composed mainly of mogulosides obtained from rakanka fruits (Momordica grosvenori SWINGLE).
84	Redbark cinchona extract	A substance composed mainly of quinidine, quinine and cinchonine obtained from the bark of redbark cinchona trees.
352	Rennet	-
135	Resin of depolymerized natural rubber	A substance composed mainly of diterpenes, triterpenes and tetraterpenes obtained from "rubber".
338	L-Rhamnose	-

337	Rhamsan gum	A substance composed mainly of polysaccharides obtained from the cultured solution of bacteria belonging to Alcaligenes.
344	D-Ribose	-
136	Rice bran oil extract	A substance composed mainly of ferulic acid obtained from rice bran oil.
138	Rice bran wax	A substance composed mainly of myricyl lignocerate obtained from rice bran oil.
29	Rice straw ash extract	A substance obtained from the ashes of rice stems or leaves.
234	Roasted rice bran extract	A substance composed mainly of maltol obtained from roasted rice bran.
235	Roasted soybean extract	A substance composed mainly of maltol obtained from roasted soybean seeds.
357	Rosemary extract	A substance composed mainly of carnosic acid, carnosol and rosemanol obtained from rosemary leaves or flowers.
355	Rosidinha	A substance composed mainly of amyirin acetate and polyisoprenes obtained from the secretion of rosidinha trees (<i>Sideroxylon</i>).
356	Rosin	A substance composed mainly of abietic acid obtained from the secretion of pine trees.
134	Rubber	A substance composed mainly of polyisoprenes obtained from the secretion of Pararubber trees, excluding "Depolymerized natural rubber".
73	Rumput roman extract	A substance composed mainly of capillin obtained from the whole grass of rumput roman.
349	Ruthenium	-
348	Rutin (extract)	A substance composed mainly of rutin obtained from the whole grass of AZUKI (<i>Azukia angularis</i> OHWI), the buds or flowers of Japanese pagoda trees or the whole buckwheat grass.
173	Sage extract	A substance composed mainly of carnosic acid and phenolic diterpenes obtained from salvia leaves.
154	Sandalwood red	A substance composed mainly of santalin obtained from the trunks/branches of red sandalwood trees.
47	Seaweed ash extract	A substance composed mainly of potassium iodide obtained from the ashes of brown algae.
174	Sepiolite	-
175	L-Serine	-
132	Sesame seed oil unsaponified	A substance composed mainly of sesamol obtained from sesame seeds.
133	Sesami straw ash extract	A substance obtained by extraction from the ashes of sesami stems or leaves.
146	Shellac	A substance composed mainly of esters of aleuritic acid and shellolic acid or jalaric acid, obtained from the secretion of scale insects.
147	Shellac wax	A substance composed mainly of wax obtained from the secretion of scale insects.
88	Silver	-
115	Smoke flavourings	A substance obtained by capturing the gas generated by burning sugar canes, bamboo, corn stalks or wood, or a substance obtained by dry distillation from such materials.
40	Sodium chloride-decreased brine (saline lake)	A substance composed mainly of salts of alkaline metals or alkaline earth metals obtained by separating sodium chloride from saline lake water.
180	Sorva	A substance composed mainly of amyirin acetate and polyisoprenes obtained from the secretion of sorva trees.
181	Sorvinha	A substance composed mainly of amyirin acetate and polyisoprenes obtained from the secretion of sorvinha trees (<i>Couma utilis</i> MUELL.).
182	Soybean saponin	A substance composed mainly of saponins obtained from soybeans.
167	Sphingolipid	A substance composed mainly of sphingosine derivatives obtained from bovine brains or rice bran.

119	Spice extracts	Substances obtained by extraction or steam-distillation from hemp seeds, asafetida, ajowan, anise, angelica, fennel, turmeric, allspice, oregano, orange peel, Chinese pepper, cassia, chamomil, mustard, cardamon, curry leaves, licorice, caraway, gardenia, cumin, cress, clove, poppy seeds, caper, pepper, sesameseeds, coriander, sassafras, saffron, savory, salvia, Japanese pepper, perilla, cinnamon, shallot, juniperberry, ginger, star anise, spearmint, horseradish, celery, sorrel, thyme, onion, tamarind, tarragon, chive, dill, capsicum, nutmeg, wormwood, nigella, carrot, garlic, basil, parsley, mint, vanilla, paprika, hyssop, fenugreek, peppermint, horsemint, marjoram, MYOGA (Zingiber Mioga ROSC.), lavender, linden, lemongrass, lemonbalm, rose, rosemary, laurel or WASABI (Japanese horseradish), excluding "Turmeric oleoresin", "Oregano extract", "Orange colour", "Mustard extract", "Licorice extract", "Licorice oil extract", "Gardenia yellow", "Clove extract", "Sesame seed oil unsaponified matter", "Perilia extract", "Ginger extract", "Essential oil-removed fennel extract", "Horseradish extract", "Sage extract", "Onion colour", "Tamarind colour", "Tamarind seed gum", "Tannin (extract)", "Paprika colour", "Capsicum water-soluble extract", "Absinth extract", "Carrot carotene", and "Rosemary extract".
166	Spirulina colour	A substance composed mainly of phycocyanin obtained from the whole alga of spirulina.
164	Stevia extract	A substance composed mainly of steviol glycosides obtained by extraction from stevia leaves.
250	Sunflower seed extract	A substance composed mainly of isochlorogenic acid and chlorogenic acid obtained from sunflower seeds.
189	Talc	-
186	Tamarind colour	A substance composed mainly of flavonoids obtained from tamarind seeds.
187	Tamarind seed gum	A substance composed mainly of polysaccharides obtained tamarind seeds.
192	Tannase	-
193	Tannin (extract)	A substance composed mainly of tannin and tannic acid obtained from Japanese persimmon fruits, Japanese gall, angelica powder, nutgall or silver wattle bark.
188	Tara gum	A substance composed mainly of polysaccharides obtained from the seeds of tara trees (Caesalpinia spinosa (MOL.)(O.KUNTZE)).
184	Taurine (extract)	A substance composed mainly of taurine obtained from the viscera or meat of fish or mammals.
196	Tea dry distillate	A substance obtained by dry distillation from tea leaves.
197	Tea extract	A substance composed mainly of catechins obtained from tea leaves.
183	Thaumatococcus daniellii	A substance composed mainly of thaumatococcus daniellii.
204	Theobromine	-
201	Thujaplicin (extract)	A substance composed mainly of thujaplicins obtained from the trunks/branches or roots of HIBA trees (Thujopsis dolabrata SIEB. et ZUCC.).
327	Timber ash	A substance obtained by ashing bamboo or wood.
328	Timber ash extract	A substance obtained by extraction from "timber ashes".
214	d- α -Tocopherol	-
215	d- γ -Tocopherol	-
216	d- δ -Tocopherol	-
213	Tocotrienol	-
217	Tomato colour	A substance composed mainly of lycopene obtained from tomato fruits.
224	Tororoaoi	A substance composed mainly of polysaccharides obtained from the roots of TORORO-AOI (Abelmoschus manihot MED.).
218	Tragacanth gum	A substance composed mainly of polysaccharides obtained from the secretion of tragacanth trees.
219	Transglucosidase	-
220	Transglutaminase	-
222	Trehalose	-
223	Trehalose phosphorylase	-
221	Trypsin	-
200	Tunu	A substance composed mainly of amyryne acetate and polyisoprenes obtained from the secretion of tunu trees (Castilla fallax COOK).

34	Turmeric oleoresin [Curcumin]	A substance composed mainly of curcumin obtained from turmeric rhizomes.
199	L-Tyrosine	-
36	Urease	-
35	Urushi wax	A substance composed mainly of glycerol palmitate obtained from the fruits of Japanese lacquer trees (<i>Rhus verniciflua</i> STOKES).
160	Vegetable carbon black	A substance composed mainly of carbon obtained by carbonizing plants.
161	Vegetable lecithin	A substance composed mainly of lecithin obtained from rape seeds or soybeans.
159	Vegetable sterol	A substance composed mainly of phytosterols obtained from oil seeds.
288	Venezuelan chicle	A substance composed mainly of amyris acetate and polyisoprenes obtained from the secretion of Venezuelan chicle trees.
251	Vermiculite	-
33	Welan gum	A substance composed mainly of polysaccharides obtained from the cultured solution of bacteria belonging to <i>Alcaligenes</i> .
324	Wood chip	A substance obtained by grinding the trunk/branches of Siberian filbert or BUNA (<i>Fagus crenata</i> BLUME).
77	Xanthan gum	A substance composed mainly of polysaccharides obtained from the cultured solution of bacteria belonging to <i>Xanthomonas</i> .
78	Xylanase	-
79	D-Xylose	-
128	Yeast cell wall	A substance composed mainly of polysaccharides obtained from the cell walls of yeast belonging to <i>Saccharomyces</i> .
339	Yolk lecithin	A substance composed mainly of lecithin obtained from egg yolk.
331	Yucca foam extract	A substance composed mainly of saponins obtained from the whole grass of yucca joshua (<i>Yucca arborescens</i> TREL.) or yucca schidigera (<i>Yucca schidigera</i> ROEHL ex ORLGIES).
171	Zein	A substance composed mainly of vegetable proteins obtained from corn seeds.
172	Zeolite	-