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Standards for Uses of Food Additives - Part II

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Report Highlights:

Second part of standard GB2760-2011.

General Information:**Table A2 List of food additives used in defined amount in all kinds of food according to production demands**

S.N	CNS No.	English name	INS No.	Function
1	12.004	Disodium 5'-ribonucleotide	635	Flavor enhancer
2	12.003	Disodium 5'-inosinate	631	Flavor enhancer
3	12.002	Disodium 5'-guanylate	627	Flavor enhancer
4	04.004,04.018	d-isoascorbic acid (erythorbic acid) , sodium d-isoascorbate	315,316	Antioxidant
5	01.111	L(+)-tartaric acid	334	Acidity regulator
6	19.019	Neotame	961	Sweetener
7	08.010	β -carotene	160a	Coloring
8	20.024	β -cyclodextrin	459	Thickene
9	20.008	arabic gum	414	Thickene
10	00.014	galactomannan	-	Other
11	01.112		-	Acidity regulator
12	19.018	erythritol	-	Sweetener
13	20.039	starch acetate	1420	Thickene
14	10.006	mono- and diglycerides of fatty acids	471	Emulsifier
15	0.019	modified soybean phospholipid	-	Emulsifier
16	08.143	orange yellow	-	Coloring
17	15.014	glycerine	422	Water retention agent (humectant), Emulsifier
18	08.115	sorghum red	-	Coloring
19	12.001	monosodium glutamate	621	Flavor enhancer
20	20.025	guar gum	412	Thickene
21	20.006	pectins	440	Thickene
22	20.005	potassium alginate	402	Thickene

S.N	CNS No.	English name	INS No.	Function
23	20.004	sodium alginate	401	Thickene
24	20.023	Carob bean gum	410	Thickene
25	20.009	xanthan gum	415	Thickene
26	20.043	methyl cellulose	461	Thickene
27	20.027	gellan gum	418	Thickene

28	01.103	tartaric acid	334	Acidity regulator
29	20.036	sodium polyacrylate	-	Thickene
30	20.007	carrageenan	407	Thickene
31	04.014	ascorbic acid	300	Antioxidant
32		sodium ascorbate	301	Antioxidant
33	04.009	calcium ascorbate	302	Antioxidant
34	10.002	sodium caseinate	-	Emulsifier
35	20.034	distarch phosphate	1412	Thickene
36	04.010	phospholipid	322	Antioxidant, Emulsifier
37	00.008	potassium chloride	508	Other
38	19.015	lo-han-kuo extract	-	Sweetener
39	10.040	enzymatically decomposed soybean phospholipid	-	Emulsifier
40	20.002	gelatin	-	Thickene
41	19.007	xylitol	967	Sweetener
42	01.101	Citric acid	330	Acidity regulator
43	01.304	tripotassium citrate	332ii	Acidity regulator
44	01.303	trisodium citrate	331iii	Acidity regulator, Stabilizer
45	01.306	sodium dihydrogen citrate	331i	Acidity regulator
46	10.032	citric and fatty acid esters of glycerol	472c	Emulsifier
47	01.104	malic acid	296	Acidity regulator
48	18.007	glucono delta-lactone	575	<i>Stabilizer and Coagulator</i>
49	20.014	hydroxypropyl starc	1440	Thickene, Bulking agent, Emulsifier, Stabilizer
50	20.016	hydroxypropyl distarch phosphate	1442	Thickene
51	20.028	hydroxypropyl methyl	464	Thickene
52	20.001	agar	406	Thickene
53	01.102	lactic acid	270	Acidity regulator
54	15.011	potassium lactate	326	Water retention agent (humectant)
55	15.012	sodium lactate	325	Water retention agent (humectant), Acidity regulator, Antioxidant, Bulking agent, Thickene, Stabilizer
56	10.031	lactic and fatty acid esters of glycerol	472b	Emulsifier
57	19.014	lactitol	966	Sweetener
58	10.010	diacetyl tartaric acid ester of mono(di)glycerides	472e	Emulsifier
59	20.032	acid treated starch	1401	Thickene

60	20.003	sodium carboxy methyl cellulose	466	Thickene
61	13.006	calcium carbonate(light and heavy)	170i	Bulking agent, flour
62	01.301	potassium carbonate	501i	Acidity regulator
63	01.302	sodium carbonate	500i	Acidity regulator
64	06.002	ammonium hydrogen carbonate	503ii	Bulking agent
65	01.307	potassium hydrogen carbonate	501ii	Acidity regulator
66	06.001	sodium hydrogen carbonate	500ii	Bulking agent, Acidity regulator, Stabilizer
67	19.004	aspartame	951	Sweetener
68	08.147		-	Coloring
69	08.101	beet red	162	Coloring
70	02.005	microcrystallin cellulose	460 i	Anti-caking agent, <i>Thickene</i> , Stabilizer
71	10.030	sodium starch octenyl succinate	1450	Emulsifier
72	20.030	oxidized starch	1404	Thickene
73	20.033	Oxidized hydroxypropyl starch	-	Thickene
74	01.107	acetic acid	260	Acidity regulator
75	10.027	acetylated mono- and diglyceride (acetic and fatty acid esters of glycerol)	472a	Emulsifier
76	20.015	acetylated distarch phosphate	1414	Thickene
77	20.031	acetylated distarch adipate	1422	Thickene
<p>a. Bacterial strain of production are <i>Moniliella pollinis</i>, <i>Trichosporonides megachiliensis</i> and <i>Candida lipolytica</i></p> <p>b. The products have aspartame added need to label: “spartame (include phenylalanine)”</p>				

Table A.3 The list of the exceptional food classifications of food additives used in defined amount in all kinds of food according to production demands

Food classification No.	Food name
01.01.01	Pasteurized milk
01.01.02	Autoclaved milk
01.02.01	Fermented milk
01.03.01	Milk powder and cream powder
01.05.01	Pouring cream
02.01	Fats and oil almost water free
02.02.01.01	Butter and concentrated butter
04.01.01	Fresh fruits
04.02.01	Fresh vegetables
04.02.02.01	Frozen vegetables
04.02.02.06	Fermented vegetable products
04.03.01	Fresh edible fungus and algae
04.03.02.01	Frozen edible fungus and algae
06.01	Raw grain
06.02	Rice and rice products
06.03.01	Wheat flour
06.03.02.01	Raw and wet flour products (noodle, dumpling wrapper, wonton skin, Shaomai wrapper)
06.03.02.02	Raw and dried noodle products (dried noodle)
08.01	Raw and fresh meat
09.01	Fresh aquatic products
09.03	Pre-prepared aquatic products (semi-finished products)
10.01	Fresh egg
10.03.01	Dehydrated egg products(protein powder, egg yolk powder, protein chip)
10.03.03	Frozen egg products(frozen egg)
11.01	Table sugar
11.01.02	Other sugar and syrup(brown sugar, granulated sugar ,rock sugar, raw sugar, molasses, partially inverted sugar, maple syrup and so on)
11.03.01	Honey
12.01	Salt and salt substitutes products
12.09	Spices class
13.01	Infant formulae food
13.02	Supplementary foods for infants and young children
13.03	Formulate food for special medical purposes (except the varieties involved in 13.01)
14.01.01	Natural drinking mineral water
14.01.02	Pure drinking water
14.01.03	Other drinking water
14.02.01	fruit and vegetable juices (syrup)
14.02.02	Concentrated fruit and vegetable juices
15.03.01	Wine
16.02	Tea leaf, coffee

Annex B
Usage regulations on Food flavoring

B.1. Usage principles for food flavoring

B.1.1 The purpose to use food flavoring in food is to produce or change or increase the flavors of the food. The food flavoring is generally used to make the food flavored when it is prepared into food flavoring and some of it can be directly used for flavoring food. Food flavoring shall not include the substances that produce sweet taste, sourness or saltiness, nor is Flavor enhancer included.

B.1.2 Food flavoring shall be used in defined amount in all kinds of food according to production demands; the food listed in Table B.1 is no need flavoring and no food flavoring is allowed to be added to, except where otherwise expressly provided in laws and regulations as well as national standards for food safety. Except the food listed in Table B.1, whether other foods may be flavored or not shall subject to relevant standards for food products.

B.1.3 The variety of flavoring substances used to prepare into food flavoring shall comply with the provisions in this Standard. The substances or natural flavoring compounds with flavor characters, extracted from food (maybe in the rough or processed by the preparation process for food in line with human consumption tradition) by physical preparation, enzyme preparation or microorganism preparation (where enzyme preparation shall comply with the provisions in this Standard) can be used for preparation of food flavoring.

Note: natural flavoring compounds are the series of preparations containing flavoring substances.

B.1.4 The food flavoring with the function of other food additives, when playing the role of other food additives in food, shall comply with the provisions in this Standard, such as benzoic acid, cinnamaldehyde, guarana extract, sodium diacetate, disodium succinate, tricalcium phosphate and amino acid etc.

B.1.5 Food flavoring can contain flavoring adjuncts (including food additives and food) necessary for production, storage and application. The flavoring adjuncts shall comply with the following requirements:

a) The flavoring adjuncts permitted to be used in food flavoring shall comply with the provisions in QB/T 1505 Food Flavoring and shall reduce the varieties to be used as far as possible under the precondition of reaching the desired effect.

b) The food additives as the adjuncts added into the food flavoring shall not play any role in final food, and shall reduce the quantity to be used in food as far as possible under the precondition of reaching the desired effect.

B.1.6 The labeling of food flavoring shall comply with the provisions as specified in QB/T 4003 General Requirements on Labeling of Food Flavoring.

B.1.7 Any food added into food flavoring shall be identified according to relevant State standards.

B.2 Food flavoring includes natural flavoring and compounded flavoring.

B.3 List of allowable equivalent natural flavorings: see Table B.2.

B.4 List of allowable artificial food flavorings: see Table B.3.

Table B.1 List of the food that no food flavoring or flavoring substance is allowed to be added into

Food classification No.	Food name
01.01.01	Pasteurized milk
01.01.02	Sterilized milk
01.02.01	Fermented milk
01.05.01	Pouring Cream
02.01.01	Vegetable oil
02.01.02	Animal fats (lard , butter , fish oil and other animal fat)
02.01.03	Anhydrous butter and anhydrous milk fat
04.01.01	Fresh fruits
04.02.01	Fresh vegetables
04.02.02.01	Frozen vegetables
04.03.01	Fresh edible fungus and algae
04.03.02.01	Frozen edible fungus and algae
06.01	Raw grains
06.02.01	Rice
06.03.01	Wheat flour
06.04.01	Cereal flour
06.05.01	Food starch
08.01	Raw and fresh Meat
09.01	Fresh aquatic products
10.01	Fresh egg
11.01	Sugar
11.03.01	Honey
12.01	Salt and salt substitutes products
13.01	a. Infant formulate food
14.01.01	Natural drinking mineral water
14.01.02	Pure drinking water
14.01.03	Other drinking water
<p>a Vanillin, ethyl vanillin and vanilla bean concrete can be used in the formulate food for older infants and young children with the max dosage of 5mg/100 mL, 5mg/100 mL or in defined amount according to production demands separately, where 100mL is calculated by ready-to-eat food, based on which the manufacturer can convert it into the dosage for formulate food according to preparation ratio; Vanillin can be used in the cereal-based complementary foods for infants and young children with the max dosage of 7mg/100mL, where 100mL is calculated by ready-to-eat food, based on which the manufacturer can convert it into the dosage for cereal-based foods according to preparation ratio; no food flavoring shall be added into any infant formulate food for use of the infants aged from 0 to six months.</p>	

Table B.2 List of allowable natural flavorings

Serial No.	Code	Name of flavoring	FEMA No.
1	N001	Clove leaf oil (<i>Eugenia</i> spp.)	2325
2	N002	Clove bud tincture (extract) (<i>Eugenia</i> spp.)	2322
3	N003	Clove bud oil (<i>Eugenia</i> spp.)	2323
4	N004	Basil oil (<i>Ocimum basilicum</i> L.)	2119
5	N005	Anise star oil (<i>Illicium verum</i> Hook,F.)	2096
6	N006	Common Jasmin orange concrete (<i>Murraya paniculata</i>)	-
7	N007	Patchouli oil (<i>Pogostemon cablin</i>)	2838
8	N008	Tagetes oil (<i>Tagetes</i> spp.)	3040
9	N009	<i>trans</i> -Anethole Anise camphor	2086
10	N010	Cardamom oil (Cardamom seed oil)	2241
11.	N011	Cardamom tincture (<i>Elletaria cardamomum</i>)	2240
12	N012	Fennel,tincture (<i>Foeniculum vulgare</i> Mill.)	-
13	N013	<i>Litsea cubeba</i> berry oil	3846
14	N014	<i>Hawthorn</i> fruit tincture (<i>Crataegus</i> spp.)	-
15	N015	Garlic oil (<i>Allium sativum</i> L.)	2503
16	N016	Garlic oleoresin (<i>Allium sativum</i> L.)garlic and its derivatives	-
17	N017	Cognac oil, green	2331
18	N018	<i>l</i> -Menthol, natural	2665
19	N019	Costus root oil (<i>Saussures lappa</i> Clanke)	2336
20	N020	Bay, sweet, oil (<i>Laurus nobilis</i> L.)	2125
21	N021	Wumei tincture (<i>Prunus mume</i>)	-
22	N022	Buchu leaves oil (<i>Barosma</i> spp.)	2169
23	N023	Cocoa tincture (<i>Theobroma cacao</i> Linn.)	-
24	N024	Cocoa husk tincture (<i>Theobroma cacao</i> Linn.)	-
25	N025	China nardostachys oil (<i>Nardostachys chinensis</i>)	-
26	N026	Licorice tincture (<i>Glycyrrhiza</i> spp.)	-
27	N027	Licorice extract (<i>Glycyrrhiza</i> spp.)	2628
28	N028	Wintergreen oil (<i>Gaultheria procumbens</i> L.)	3113
29	N029	Michelia alba flower oil	3950
30	N030	Michelia alba leaf oil	3950
31	N031	Michelia alba flower absolute	3950
32	N032	Michelia alba flower concrete	3950
33	N033	Angelica dahurica tincture	-
34	N034	Lime oil [<i>Citrus aurantifolia</i> (Christman) Swingle]	2631

35	N035	Lime oil terpene	-
36	N036	Ginger oleoresin (<i>Zingiber officinale</i> Rosc.)	2523
37	N037	Nutmeg oil (<i>Myristica fragrans</i> Houtt.)	2793
38	N038	Nutmeg tincture (<i>Myristica fragrans</i> Houtt.)	-
39	N039	Cassia oil (<i>Cinnamomum cassia</i> Blume)	2258
40	N040	Cassia bark tincture (extract) (<i>Cinnamomum cassia</i>)	2257
41	N041	Black tea tincture (<i>Camellia sinensis</i>)	-
42	N042	Davana oil (<i>Artemisia pallens</i> wall.)	2359
43	N043	Tolu balsam tincture (extract) (<i>Myroxylon</i> spp.)	3069
44	N044	Tolu balsam gum (<i>Myroxylon</i> spp.)	3070
45	N045	Soya bean fermented tincture	-
46	N046	Juniper berry oil (<i>Juniperus communis</i> L.)	2604
47	N047	Coriander oil (<i>Coriandrum sativum</i> L.)	2334
48	N048	Celery flower oil (<i>Apium graveolens</i> L.)	-
49	N049	Celery seed oil (<i>Apium graveolens</i> L.)	2271
50	N050	Vitex cannabifolia leaf oil	-
51	N051	Grapefruit oil, expressed (Citrus)	2530
52	N052	Atractylodes oil (<i>Atractylodes lancea</i>)	-
53	N053	Chinese date (common Jujube) tincture	-
54	N054	Rose oil (<i>Rosa</i> spp.)	2989
55	N055	Rose absolute (<i>Rosa</i> spp.)	2988
56	N056	Rose concrete (<i>Rosa</i> spp.)	-
57	N057	Orris concrete (<i>Iris florentina</i> L.)	2829
58	N058	Orris root extract (<i>Iris florentina</i> L.)	2830
59	N059	Chrysanthemum Hang Zhou flower oil	-
60	N060	Chrysanthemum Hang Zhou flower extract	-
61	N061	Maple oil (<i>Acer</i> spp.)	-
62	N062	Maple concrete (<i>Acer</i> spp.)	-
63	N063	Labdanum extract (<i>Cistus ladaniferus</i>)	2610
64	N064	Coffee tincture (<i>Coffee</i> spp.)	-
65	N065	Louhanfruit tincture (<i>Siraitia grosvenorii</i> (Swingle)	-
66	N066	Cassie concrete (<i>Acacia farnesiana</i> Wild.)	-
67	N067	Ylang ylang oil (<i>Cananga odorata</i> Hook.f.and	3119
68	N068	Jasminum grandiflorum absolute	2598
69	N069	Jasminum grandiflorum concrete	2599
70	N070	Jasminum sambac absolute	-
71	N071	Jasminum sambac concrete	-
72	N072	Sarcodactylis oil (<i>Citrus medicus</i>)	3899
73	N073	Angelica root tincture (extract) (<i>Angelica</i>)	2087
74	N074	Onion oil (<i>Allium cepa</i> L.)	2817

75	N075	Ginger oil (<i>Zingiber officinale</i> Rosc.)	2522
76	N076	Turmeric oil (<i>Curcuma longa</i> L.)	3085
77	N077	Turmeric oleoresin (<i>Curcuma longa</i> L.)	3087
78	N078	Turmeric extract (<i>Curcuma longa</i> L.)	3086
79	N079	Fenugreek tincture (extract)	2485
80	N080	Daidai flower oil (<i>Citrus aurantium</i> L. 'Daidai')	2771
81	N081	Daidai flower concrete (<i>Citrus aurantium</i> L.)	2771
82	N082	Daidai fruit oil (<i>Citrus aurantium</i> L. 'Daidai')	2771
83	N083	Pummelo peel oil (<i>Citrus grandis</i> (L.)Osbeck)	-
84	N084	Cedar leaf oil (<i>Thuja occidentalis</i> L.)	2267
85	N085	Cumin seed oil (<i>Cuminum cyminum</i> L.)	2343
86	N086	Lemon oil (<i>Citrus limon</i> (L.)Burm.f.)	2625
87	N087	Lemon oil, terpeneless (<i>Citrus limon</i> (L.)Burm.F.)	2626
88	N088	Terpenes of lemon oil	-
89	N089	Petitgrain lemon oil(<i>Citrus limon</i> (L.)Burm.f.)	2853
90	N090	Lemongrass oil (<i>Cymbopogon citratus</i> DC. and	2624
91	N091	Gardenia flower concrete (<i>Gardenia jasminoides</i>	-
92	N092	Aglaia odorata flower oil	-
93	N093	Aglaia odorata flower tincture	-
94	N094	Aglaia odorata flower concrete	-
95	N095	Treemoss absolute (<i>Evernia furfuraceae</i>)	-
96	N096	Treemoss concrete (<i>Evernia furfuraceae</i>)	-
97	N097	Geranium oil (geranium rose oil)	2508
98	N098	Geranium oil terpeneless	2508
99	N099	Xiang Feng cha oil (<i>Rabdosia</i> spp.)	-
100	N101	Bergamot oil (<i>Citrus aurantium</i> L.subsp.	2153
101	N102	Vertiver oil (<i>Vetiveria zizanioides</i> Nash.)	-
102	N103	Vertiver concrete (<i>Vetiveria zizanioides</i> Nash.)	-
103	N104	Vanilla bean tincture (<i>Vanilla</i> spp.)	-
104	N105	Vanilla bean concrete (extract) (<i>Vanilla</i> spp.)	3105
105	N106	Cyperus oil (<i>Cupressus sempervirens</i>)	-
106	N107	Chives oil (<i>Allium schoenoprasum</i>)	-
107	N108	Clary sage oil (<i>Salvia sclarea</i> L.)	2321
108	N109	<i>Torreya grandis</i> shell concrete	-
109	N110	Mandarin oil (<i>Citrus reticulata</i> Blanco)	2657
110	N111	Mandarin oil, terpeneless	-
111	N112	Hops tincture(extract) (<i>Humulus lupulus</i> L.)	2578
112	N113	Hops extract, solid (<i>Humulus lupulus</i> L.)	2579
113	N114	Eucalyptus oil (<i>Eucalyptus globulus</i> Labille)	2466
114	N115	Castoreum tincture(extract) (<i>Castor</i> spp.)	2261

115	N116	Cinnamon bark oil (<i>Cinnamomum</i> spp.)	2291
116	N117	Cinnamon leaf oil (<i>Cinnamomum</i> spp.)	2292
117	N118	<i>Osmanthus fragrans</i> flower absolute (<i>Osmanthus fragrans</i> Lour)	3750
118	N119	<i>Osmanthus fragrans</i> flower tincture	-
119	N120	<i>Osmanthus fragrans</i> flower concrete	-
120	N121	Longan tincture (<i>Euphoria longan</i>)	-
121	N122	Spearmint oil (<i>Mentha spicate</i>)	3032
122	N123	Walnut hull extract (<i>Juglans</i> spp.)	3111
123	N124	Common white jasmine flower absolute (<i>Jasminum</i>	-
124	N125	Birch sweet oil (<i>Betula lenta</i> L.)	2154
125	N126	Broad bean flower tincture(<i>Vicia faba</i> Linn.)	-
126	N127	Green tea tincture (<i>Thea sinensis</i>)	-
127	N128	Wild rose concrete (<i>Rosa multiflora</i>)	-
128	N129	Fennel oil, sweet (<i>Foeniculum vulgare</i> Mill. var.	2483
129	N130	<i>Stevia rebaudiana</i> oil	-
130	N131	Orange oil (<i>Citrus sinensis</i> (L.) Osbeck)	2821
131	N132	Orange oil, terpeneless (<i>Citrus sinensis</i> (L.)	2822
132	N133	Terpenes of orange oil	-
133	N134	Chicory concrete (extract) (<i>Cichorium intybus</i> L.)	2280
134	N135	Tuberose concrete (<i>Polianthes tuberosa</i>)	-
135	N136	Violet leaf concrete (<i>Viola odorata</i>)	3110
136	N137	Peppermint oil (<i>Mentha piperita</i> L.)	2848
137	N138	Black currant tincture (<i>Ribes nigrum</i> L.)	2346
138	N139	Black currant concrete (<i>Ribes nigrum</i> L.)	2346
139	N140	<i>Sophora japonica</i> flower absolute	-
140	N141	<i>Sophora japonica</i> flower concrete	-
141	N142	Capsicum tincture (extract) (<i>Capsicum</i> spp.)	2233
142	N143	Paprika oleoresin (<i>Capsicum annuum</i>) L.)	2834
143	N144	Guaiac wood oil (<i>Bulnesia sarmienti</i> Lor.)	2534
144	N145	Valerian root oil (<i>Valeriana officinalis</i> L.)	3100
145	N146	<i>Rose crimsonglory</i> flower absolute	-
146	N147	<i>Rose crimsonglory</i> flower concrete	-
147	N148	Oakmoss absolute (<i>Evernia prunastri</i>)	2795
148	N149	Petitgrain bigarade oil (<i>Citrus aurantium</i> L.)	2855
149	N150	<i>Mentha arvensis</i> oil (Cornmint oil)	4219
150	N151	<i>Mentha arvensis</i> oil,partially	-
151	N152	Sandalwood oil (<i>Santalum album</i> L.)	3005
152	N153	Lavender oil (<i>Lavandula angustifolia</i>)	2622
153	N154	Origanum oil (<i>Thymus capitatus</i>)	2828

154	N155	Kolas nut extract (<i>Cola acuminata</i> Schott et EndL.)	2607
155	N156	Schinus molle oil (<i>Schinus molle</i> L.)	3018
156	N157	Cascarilla bark oil (<i>Croton</i> spp.)	2255
157	N158	Thyme oil (<i>Thymus vulgaris</i> or <i>zigis</i> L.)	3064
158	N159	Butter starters distillate	2173
159	N160	Cananga oil (<i>Cananga odorata</i> Hook. F. and Thoms)	2232
160	N161	Laurel leaves extract/oleoresin (<i>Laurus nobilis</i> L.)	2613
161	N162	Ginger extract (Ginger concrete.) (<i>Zingiber</i>	2521
162	N163	Oak chips extract (<i>Quercus alba</i> L.)	2794
163	N164	Estragon oil (<i>Artemisia dracunculus</i> L.)	2412
164	N165	Camphor oil, white	2231
165	N166	Mace oil (<i>Myristica fragrans</i> Houtt.)	2653
166	N167	Pimento leaf oil (<i>Pimenta officinalis</i> Lindl.)	2901
167	N168	Sage oil, Spanish (<i>Salvia lavandulaefolia</i> Vahl.)	3003
168	N169	Tangerine oil (<i>Citrus reticulata</i> blanco)	3041
169	N170	Lavandin oil (<i>Lavandula hybrida</i>)	2618
170	N171	Apricot Kernel oil (<i>Prunus armeniaca</i> L.)	2105
171	N172	Styrax oil (<i>Liquidambar</i> spp.)	-
172	N173	Styrax extract (<i>Liquidambar</i> spp.)	3037
173	N174	Locust bean oil (<i>Ceratonia siliqua</i> L.)	-
174	N175	Carob bean extract (<i>ceratonia siliqua</i> L.)	2243
175	N176	Quillaia (<i>Quillaja saponaria</i> Molina)	2973
176	N177	Olibanum oil (<i>Boswellia</i> spp.)	2816
177	N178	Myrrh oil (<i>Commiphora</i> spp.)	2766
178	N179	Galangal root extract (<i>Alpinia</i> spp.)	2499
179	N180	Pine oil, scotch (<i>Pinus sylvestris</i> L.)	2906
180	N181	Fennel oil, (common) (<i>Foeniculum vulgare</i> Mill)	2481
181	N182	Almond oil, bitter (<i>Prunus amygdalus</i>)	2046
182	N183	Asafoetida oil (<i>Ferula asafoetida</i> L.)	2108
183	N184	Cassie absolute (<i>Acacia farnesiana</i> (L.) Willd.)	2260
184	N185	Parsley leaf oil (<i>Petroselinum Crispum.</i>)	2836
185	N186	Pine needle oil (<i>Abies</i> spp.)	2905
186	N187	Boronia absolute (<i>Boronia megastigma</i>	2167
187	N188	Bois de rose oil (<i>Aniba rosaeodora</i> Ducke)	2156
188	N189	Palmarosa oil (<i>Cymbopogon martini</i> (Roxb.) stapf)	2831
189	N190	Citronella oil (<i>Cymbopogon nardus</i> Rendle)	2308
190	N191	Rosemary oil (<i>Rosemarinus officinalis</i> L.)	2992
191	N192	Balsam fir oil (<i>Abies balsamea</i> (L.) Mill.)	2114
192	N193	Balsam firoleoresin(<i>Abies balsamea</i> (L.)	2115
193	N194	Carrot seed oil (<i>Daucus carota</i> L.)	2244

194	N195	Chamomile flower oil (Roman)	2275
195	N196	Chamomile flower absolute(extract)	2274
196	N197	Cascara bitterless extract (<i>Rhamnus purshiana</i> DC.)	2253
197	N198	Cubeb oil (<i>Piper cubeba</i> L.f.)	2339
198	N199	Pennyroyal oil (<i>Mentha pulegium</i> L.)	2839
199	N200	Lovage oil (<i>Levisticum officinale</i> Koch.)	2651
200	N201	Horehound extract (<i>Marrubium vulgare</i> L.)	2581
201	N202	Yucca mohave extract (<i>yucca</i> spp.)	3121
202	N203	Kelp (<i>Laminaria</i> and <i>Kereocystis</i> spp.)	2606
203	N204	Hyssop oil (<i>Hyssopus officinalis</i> L.)	2591
204	N205	Dill herb oil (<i>Anethum graveolens</i>)	2383
205	N206	Balsam peru (<i>Myroxylon pereirae</i> Klotzsch)	2116
206	N207	Galbanum oil (<i>Ferula galbaniflua</i>)	2501
207	N208	Amyris oil (<i>Amyris balsamifera</i> L.)	-
208	N209	Mimosa absolute (<i>Acacia decurrens</i>)	2755
209	N210	Elder flower absolute (<i>Sambucus canadensis</i> L. and	-
210	N211	Marjoram oil, sweet (<i>Majorana hortensis</i> Moench	2663
211	N212	Gentian root extract (<i>Gentiana lutea</i> L.)	2506
212	N213	Ambrette seed oil (<i>Hibiscus abelmoschus</i> L.)	2051
213	N214	Cherry bark,wild, extract (<i>Prunus serotina</i> ,Ehrh.)	2276
214	N215	Pepper oil, black (<i>Piper nigrum</i> L.)	2845
215	N216	Caraway seed oil (<i>Carum carvi</i> L.)	2238
216	N217	Elemi resinoid (<i>Canarium</i> spp.)	2407
217	N218	Immortelle extract (<i>Helichrysum angustifolium</i>	2592
218	N219	Balm oil (<i>Melissa officinalis</i> L.)	2113
219	N220	<i>d</i> -Camphor	2230
220	N221	Orange flower absolute (<i>Citrus aurantium</i> L. subsp.	2818
221	N222	Naringin extract (<i>Citrus paradisi</i> Macf.)	2769
222	N223	Spike lavender oil (<i>Lavandula latifolia</i> L.)	3033
223	N224	Genet absolute (<i>Spartium junceum</i> L.)	2504
224	N225	Daidai peel oil (<i>Citrus aurantium</i> L. 'Daidai')	3823
225	N226	Orange oil, sweet cold pressed (<i>citrus sinensis</i> (L)	2825
226	N227	Capsicum oleoresin (<i>Capsicum</i> spp.)	2234
227	N228	Clove stem oil (<i>Eugenia</i> spp.)	2328
228	N229	Anise oil (<i>Pimpinella anisum</i> L.)	2094
229	N230	<i>l</i> -Asparagine	-
230	N231	Mate absolute/extract (<i>Ilex paraguariensis</i> St.Hil.)	-
231	N232	Hickory bark extract (<i>Carya</i> spp.)	2577
232	N233	Guarana extract (<i>Paullinia cupana</i> HBK)	2536
233	N234	Licorice root (<i>Glycyrrhiza glabra</i>)	2630

234	N235	Thyme oil, white (<i>Thymus zygis</i> L.)	3065
235	N236	Pepper oil, white (<i>piper nigrum</i> L)	2851
236	N237	Pepper oleoresin, white (<i>piper nigrum</i> L)	2852
237	N238	Cognac oil, white	2332
238	N239	Butter esters	2172
239	N240	Butter acids	2171
240	N241	Pimenta oil (<i>Pimenta officinalis</i>)	2018
241	N242	Benzoin resinoid (<i>Styrax tonkinensis</i> Pierre)	2133
242	N243	Angelica seed oil (<i>Angelica archangelica</i> L.)	2090
243	N244	Angelica root oil (<i>Angelica archangelica</i> L.)	2088
244	N245	Mace oleoresin/extract (<i>Myristica fragrans</i> Houtt)	2654
245	N246	Bay leaves, west Indian, extract (<i>Pimenta acris</i>	2121
246	N247	Bay leaves, West Indian, oil (<i>Pimenta acris</i> kostel)	2122
247	N248	<i>l</i> -Arabinose	3255
248	N249	Arabic gum	2001
249	N250	Lovage extract (<i>Levisticum officinale</i> Koch)	2650
250	N251	Parsley oleoresin (<i>Petroselinum</i> spp.)	2837
251	N252	Oleic acid	2815
252	N253	Quassia extract [<i>Picrasma excelsa</i> (sw.)planch.	2971
253	N254	Orange leaf absolute (<i>Citrus</i>	2820
254	N255	Orange oil, bitter (<i>Citrus aurantium</i> L.)	2823
255	N256	Cinchona bark (yellow) (<i>Cinchona</i> spp.)	2283
256	N257	Jambu oleoresin (<i>Spilanthes acmelia</i> Oleracea)	3783
257	N258	Quinine hydrochloride	2976
258	N259	Cumin oil (<i>Cuminum cyminum</i> L.)	2340
259	N260	Onion oleoresin (<i>allium cepa</i> L)	-
260	N261	Tea tree oil (<i>Melaleuca alternifolia</i>)	3902
261	N262	Lime oil, expressed terpeneless (<i>Citrus aurantifolia</i> Swingle)	2632
262	N263	Orange peel oil, sweet, terpeneless (<i>Citrus sinensis</i> L.Osbeck)	2826
263	N264	Dill seed, Indian (<i>Anethum sowa</i> D.C.)	2384
264	N265	Mustard extract/oleoresin, yellow (<i>Brassica</i>	-
265	N266	Mustard extract, brown (<i>Brassica</i> spp.)	-
266	N267	Pyroligneous acid	2967
267	N268	Perilla leaf oil (Shiso oil)(<i>Perilla frutescens</i>)	4013
268	N269	Grapefruit oil terpenes (<i>Citrus paradisi</i> Macf)	-
269	N270	Pepper oleoresin/extract black(<i>Piper nigrum</i> L.)	2846

270	N271	Elemi oil/extract/resinoid (<i>Canarium cimmune</i> or <i>Iuzonicum</i> Miq)	2408
271	N272	Beeswax absolute (<i>Apis Mellifera</i> L.)	2126
272	N273	Labdanum absolute (<i>Cistus</i> spp.)	2608
273	N274	Sage oil (<i>Salvia officinalis</i> L.)	3001
274	N275	Helichrysum absolute (<i>Helichrysum augustifolium</i>)	-
275	N276	Molasses extract	-
276	N277	Santalol, α and β	3006
277	N278	Yerba santa fluid extract (<i>Eriodictyon californicum</i> (Hook and Arn)Torr)	3118
278	N279	Alfalfa extract (<i>Medicago sativa</i> L.)	2013
279	N280	Allspice (<i>Pimenta officinalis</i> Lind L.)	2017
280	N281	Allspice oleoresin/extract (<i>Pimenta officinalis</i>)	2019
281	N282	Ambrette seed absolute (<i>Hibiscus abelmoschus</i> L.)	2050
282	N283	Balsam oil, Peru (<i>Myroxylon pereirae</i> Klotzsch)	2117
283	N284	Basil extract (<i>Ocimum basilicum</i> L.)	2120
284	N285	Celery seed extract solid (<i>Apium graveolens</i> L.)	2269
285	N286	Celery seed (CO ₂) Extract (<i>Apium graveolens</i> L.)	2270
286	N287	Chamomile flower oil (Hungarian) (<i>Matricaria</i>)	2273
287	N288	Cinchona bark extract (yellow) (<i>Cinchona</i> spp.)	2284
288	N289	Clove bud oleoresin (<i>Eugenia</i> spp.)	2324
289	N290	Clover tops red extract solid (<i>Trifolium pratense</i> L.)	2326
290	N291	Dandelion fluid extract (<i>Taraxacum</i> spp.)	2357
291	N292	Dandelion root solid extract (<i>Taraxacum</i> spp.)	2358
292	N293	Fleabane oil (<i>Erigeron canadensis</i>)	2409
293	N294	Mountain maple extract solid (<i>Acer spicatum</i> Lam.)	2757
294	N295	Rue oil (<i>Ruta graveolens</i> L.)	2995
295	N296	Sage oleoresin/extract (<i>Salvia officinalis</i> L.)	3002
296	N297	Sarsaparilla extract (<i>Smilax</i> spp.)	3009
297	N298	Turpentine, steam-distilled (<i>Pinus</i> spp.)	3089
298	N299	Valerian root extract (<i>Valeriana officinalis</i> L.)	3099
299	N300	Vanilla oleoresin (<i>Vanilla fragrans</i>)	3106
300	N301	Violet leaves absolute (<i>Viola odorata</i> L.)	3110
301	N302	Wormwood oil (<i>Artemisia absinthium</i> L.)	3116
302	N303	Roselle (<i>Hibiscus sabdariffa</i> L.)	-
303	N304	Tangelo oil	-
304	N305	Tuberose absolute (<i>Polianthes tuberosa</i> L.)	-
305	N306	Chestnut leaves extract (<i>Castanea dentata</i> (Marsh.)	-
306	N307	Copaiba oil (South American spp. of <i>Copaifera</i>)	-
307	N308	Damiana leaves (<i>Turnera diffusa</i> Willd.)	-

308	N309	Chamomile flower absolute (Hungarian) (<i>Matricaria</i>)	-
309	N310	Elder flowers extract (<i>Sambucus canadensis</i> L. and <i>S.nigra</i> L.)	-
310	N311	Opoponax oil (<i>Commiphora</i> spp.)	-
311	N312	Saffron extract (<i>Crocus sativus</i> L.)	2999
312	N313	Geranium extract (<i>Pelargonium</i> spp.)	-
313	N314	Fenugreek oleoresin (<i>Trigonella foenum-graecum</i>)	2486
314	N315	Lemon extract (<i>Citrus limon</i> (L.) Burm.f.)	2623
315	N316	Orris resinoid (<i>Iris germanical</i> L.)	-
316	N317	Tamarind extract (<i>Tamarindus indica</i> L.)	-
317	N318	Horseradish oil (<i>Armoracia lapathifolia</i> Gilib)	-
318	N319	Fenugreek seed extract (<i>Trigonella foenum-</i>	2485
319	N320	Celery leaf oil (<i>Apium graveolens</i> L.)	-
320	N321	Cedarwood oil terpenes	-
321	N322	Nutmeg oleoresin (<i>Myristica fragrans</i> Houtt)	-
322	N323	Anise star (<i>Illicium verum</i> Hook.F.)	2095
323	N324	Coriander oil/oleoresin (<i>Coriandrum sativum</i> L.)	2334
324	N325	Fenugreek (<i>Trigonella foenum-graecum</i> L.)	2484
325	N326	Leek oil (<i>Allium porrum</i>)	-
326	N327	Orange peel extract, sweet (<i>Citrus</i>	2824
327	N328	<i>Origanum vulgare</i>	2660
328	N329	<i>Citrus junos</i> peel oil	2318
329	N330	<i>Algues</i> absolute	—
330	N331	Oregano oleoresin (<i>Lippia</i> spp.)	2828
331	N332	Glycyrrhizin, ammoniated (<i>Glycyrrhiza</i> spp.)	2528
332	N333	Savory winter oil (<i>Satureja montana</i> L.)	3016
333	N334	Styrax (<i>Liquidambar</i> spp.)	3036
334	N335	Asafoetida fluid extract (<i>Ferula assafoetida</i> L.)	2106
335	N336	Peach tree leaf absolute (<i>Prunus persica</i> L.Batsch)	—
336	N337	Dittany of crete (<i>Origanum dictamnus</i> L.)	2399
337	N338	Hops oil (<i>Humulus lupulus</i> L.)	2580
338	N339	Labdanum oil (<i>Cistus ladaniferus</i>)	2609
339	N340	Lavender absolute (<i>Lavandula angustidolia</i>)	2620
340	N341	Opoponax extract resinoid (<i>Commiphora</i> spp.)	—
341	N342	Ash bark, prickly, extract (<i>Xanthoxylum</i> spp.)	2110
342	N343	Castor oil (<i>Ricinus communis</i>)	2263
343	N344	Catechu powder (<i>Acacia catechu</i>)	2265
344	N345	Wormwood (<i>Artemisia absinthium</i> L.)	3114

345	N346	Neroli bigarade oil (<i>Citrus aurantium</i> L.)	2771
346	N347	Ghatti gum (<i>Anogeissus latifolia</i> Wall.)	2519
347	N348	Wormwood extract (<i>Artemisia absinthium</i> L.)	3115
348	N349	Juniper extract (<i>Juniperus communis</i> L.)	2603
349	N350	Licorice extract powder (<i>Glycyrrhiza glabra</i> L.)	2629
350	N351	Betaine (Natural Extract)	4223
351	N352	Pine tar oil (<i>Pinus</i> spp.)	2907
352	N353	Oak moss absolute (<i>Evernia</i> spp.)	2795
353	N354	Scotch spearmint oil (<i>Mentha cardiaca</i> L.)	4221
354	N355	Hyssop extract (<i>Hyssopus officinalis</i> L.)	2590
355	N356	Angostura extract (<i>Galipea officinalis</i> Hancock)	2092
356	N357	Chamomile (German)extract (<i>Matricaria</i>	—
357	N358	Pomegranate concentrate	—
358	N359	L-Threonine	—
359	N360	L-Serine	—
360	N361	Civet absolute(<i>Viverra civetta</i> Schreber V.zibetha	2319
361	N362	Annatto extract (<i>Bixa orellana</i> L.)	2103
362	N363	Cascarilla bark extract (<i>Croton</i> spp.)	2254
363	N364	Cinnanon bark oil/oleoresin (<i>Cinnamomum</i> spp.)	2290
364	N365	Karaya gum (<i>Sterculiaurens</i>)	2605
365	N366	Petitgrain mandarin oil (<i>Citrus reticulate</i> blanco var.mandarin)	2854
366	N367	Pine needle oil,dwarf, oil (<i>Pinus mugo turra</i> var.pumilio (Haenke) Zenari)	2904
367	N368	Rose hips extract(<i>Rosa</i> spp.)	2990
368	N369	Savory summer oil (<i>Satureja hortensis</i> L.)	3013
369	N370	Snakeroot oil,Canadian (<i>Asarum canadense</i> L.)	3023
370	N371	Tannic acid	3042
371	N372	Tragacanth gum (<i>Astragalus</i> spp.)	3079
372	N373	Marjoram oleoresin/extract (Majorana	2659
373	N374	Grains of paradise xtract (<i>Aframomum melegueta</i> (Rosc.) K.Schum)	2529
374	N375	Hesperetin	4313
375	N376	Phloretin	4390
376	N377	Sesame CO2 extract	—
377	N378	Sesame dist.	—
378	N379	Katsuobushi CO2 extract	—
379	N380	Rum absolute	—
380	N381	Toushi oleoresin (Douchi oleoresin)	—
381	N382	Althea root (<i>Althea officinalis</i> L.)	2048

382	N383	Balm (<i>Melissa officinalis</i> L.)	2111
383	N384	Cajeput oil (<i>Melaleuca cajuputi</i> Powell)	2225
384	N385	Cassia (<i>Cinnamomum cassia</i> Blume)	2256
385	N386	Cloves (<i>Eugenia</i> spp.)	2327
386	N387	Corn silk (<i>Zea mays</i> L.)	2335
387	N388	Cubebs (<i>Piper cubeba</i> L. f.)	2338
388	N389	Aloe extract (<i>Aloe</i> spp.)	2047
389	N390	Ambergris tincture	2049
390	N391	Ambrette tincture (<i>Hibiscus abelmoschus</i> L.)	2052
391	N392	Swallowroot (<i>Decalepis hamiltonii</i>) extract	4283
392	N393	date concrete (<i>Ziziphus jujuba</i>)	—
393	N394	Folded Apple Essence	—
394	N395	β -Guaiene : Guaiol 1(5)7(11) diene	—
395	N396	Algin (<i>Laminaria</i> spp. and other kelps)	2014
396	N397	massoia bark oil (<i>Cryptocarya massoio</i>)	3747
397	N398	(-)-homoeriodictiol sodium salt	4228
398	N399	isoquercitrin, enzymatically modified	4225
399	N400	grape seed extract (<i>Vitis vinifera</i>)	4045
400	N401	spearmint extract (<i>Mentha spicata</i> L.)	3031

Table B.3 List of compounded flavoring in food permitted to be used

S.N.	Code	Original coding	Name of flavoring	FEMA No.
1	S0001	I1001	1,2-Propanediol (Propylene glycol)	2940
2	S0002	I1002	1,2,3-Propanetriol (Glycerol)	2525
3	S0003	I1003	Isopropyl alcohol	2929
4	S0004	I1004	1-Butanol (Butyl alcohol)	2178
5	S0005	I1005	Isobutyl alcohol	2179
6	S0006	I1006	1-Pentanol (Amyl alcohol)	2056
7	S0007	I1007	2-Pentanol	3316
8	S0008	I1008	Isoamyl alcohol	2057
9	S0009	I1009	1-Penten-3-ol	3584
10	S0010	I1010	1-Hexanol (Hexyl alcohol)	2567
11	S0011	I1011	2-Hexen-1-ol	2562
12	S0012	I1012	4-Hexen-1-ol	3430
13	S0013	I1013	1-Heptanol (Heptyl alcohol)	2548
14	S0014	I1014	1-Octanol (Octyl alcohol)	2800
15	S0015	I1015	2-Octanol	2801
16	S0016	I1016	1-Octen-3-ol	2805
17	S0017	I1017	<i>cis</i> -5-Octen-1-ol	3722
18	S0018	I1018	1-Nonanol (Nonyl alcohol)	2789
19	S0019	I1019	<i>cis</i> -6-Nonen-1-ol	3465
20	S0020	I1020	<i>trans</i> -2-Nonen-1-ol	3379
21	S0021	I1021	2,6-Nonadien-1-ol	2780
22	S0022	I1022	1-Decanol (Decyl alcohol)	2365
23	S0023	I1023	Undecyl alcohol	3097
24	S0024	I1024	Lauryl alcohol (Dodecyl alcohol)	2617
25	S0025	I1025	1-Hexadecanol	2554
26	S0026	I1026	Fenchyl alcohol	2480
27	S0027	I1027	Leaf alcohol(<i>cis</i> -3-Hexen-1-ol)	2563
28	S0028	I1028	Borneol	2157
29	S0029	I1030	Linalool	2635
30	S0030	I1031	Linalool oxide	3746
31	S0031	I1032	Isopulegol	2962
32	S0032	I1033	Styralyl alcohol(α -Methylbenzyl alcohol)	2685
33	S0033	I1034	Benzyl alcohol	2137
34	S0034	I1035	Phenethyl alcohol	2858
35	S0035	I1036	Phenylpropyl alcohol	2885
36	S0036	I1037	Rhodinol	2980
37	S0037	I1038	α -Terpineol	3045
38	S0038	I1039	Farnesol	2478

39	S0039	I1040	Geraniol	2507
40	S0040	I1041	<i>dl</i> -Citronellol	2309
41	S0041	I1042	Anisyl alcohol	2099
42	S0042	I1043	Cinnamic alcohol	2294
43	S0043	I1044	α -Ionol	3624
44	S0044	I1045	β -Ionol	3625
45	S0045	I1046	Dihydro- β -ionol	3627
46	S0046	I1047	Nerol	2770
47	S0047	I1048	Nerolidol	2772
48	S0048	I1049	Dimethyl benzyl carbinol	2393
49	S0049	I1050	1-Propanol (Propyl alcohol)	2928
50	S0050	I1051	3-Hexanol	3351
51	S0051	I1052	1-Hexen-3-ol	3608
52	S0052	I1053	2-Ethyl-1-hexanol	3151
53	S0053	I1054	2-Heptanol	3288
54	S0054	I1055	3-Octanol	3581
55	S0055	I1056	<i>cis</i> -3-Octen-1-ol	3467
56	S0056	I1057	2-Undecanol	3246
57	S0057	I1058	<i>p</i> , α -Dimethylbenzyl alcohol	3139
58	S0058	I1059	<i>p</i> -Isopropylbenzyl alcohol	2933
59	S0059	I1060	<i>p</i> , α , α -Trimethylbenzyl alcohol	3242
60	S0060	I1061	β -Caryophyllene alcohol	-
61	S0061	I1062	Estragole	2411
62	S0062	I1063	Tetrahydrogeraniol	2391
63	S0063	I1064	Dihydrocarveol	2379
64	S0064	I1065	1- <i>p</i> -Menthen-4-ol	2248
65	S0065	I1066	Perilla alcohol	2664
66	S0066	I1067	<i>dl</i> -Menthol	2665
67	S0067	I1068	3-(<i>l</i> -Menthoxo)-2-methylpropane-1, 2-diol	3849
68	S0068	I1069	3,5,5-Trimethylcyclohexanol	3962
69	S0069	I1070	<i>cis</i> -2-Nonen-1-ol	3720
70	S0070	I1071	<i>E,E</i> -2,4-Decadien-1-ol (<i>trans,trans</i> -2,4-Decadien-1-ol)	3911
71	S0071	I1072	(<i>E</i>)-2-Octen-4-ol	3888
72	S0072	I1073	<i>p</i> -Menth-3-en-1-ol	3563
73	S0073	I1074	Menthadienol (<i>p</i> -mentha-1,8(10)-dien-9-ol)	-
74	S0074	I1075	Cedrenol	-
75	S0075	I1076	Dehydrolinalool[(<i>E</i>)-3,7-Dimethyl-1,5,7-octatrien-3-ol]	3830
76	S0076	I1077	<i>d</i> -Xylose	3606
77	S0077	I1078	<i>d</i> -Ribose	3793
78	S0078	I1079	<i>l</i> -Rhamnose	3730

79	S0079	I1080	Diphenyl ether	3667
80	S0080	I1081	<i>p</i> -Cresyl methyl ether	2681
81	S0081	I1082	<i>iso</i> -Eugenyl methyl ether	2476
82	S0082	I1083	Methyl phenethyl ether	3198
83	S0083	I1084	Rum ether (Ethyl oxyhydrate)	2996
84	S0084	I1085	<i>sec</i> -Butyl ethyl ether	3131
85	S0085	I1086	Ethyl benzyl ether	2144
86	S0086	I1087	Anisole	2097
87	S0087	I1088	<i>o</i> -Methylanisole	2680
88	S0088	I1089	Nerol oxide	3661
89	S0089	I1090	2,4-Dimethylanisole	3828
90	S0090	I1091	Vanillyl ethyl ether	3815
91	S0091	I1101	Eugenol	2467
92	S0092	I1102	Isoeugenol	2468
93	S0093	I1103	Methyl eugenol	2475
94	S0094	I1104	<i>p</i> -Cresol	2337
95	S0095	I1105	<i>o</i> -Cresol	3480
96	S0096	I1106	<i>m</i> -Cresol	3530
97	S0097	I1107	Thymol	3066
98	S0098	I1108	Maltol	2656
99	S0099	I1109	Phenol	3223
100	S0100	I1110	2-Methoxy-4-methylphenol	2671
101	S0101	I1111	<i>p</i> -Ethylphenol	3156
102	S0102	I1112	2-Methoxy-4-vinylphenol	2675
103	S0103	I1113	<i>p</i> -Dimethoxybenzene	2386
104	S0104	I1114	Guaiacol	2532
105	S0105	I1115	4-Ethylguaiacol	2436
106	S0106	I1116	Benzaldehyde propylene glycol acetal	2130
107	S0107	I1117	2-Isopropylphenol	3461
108	S0108	I1118	2,6-Xylenol	3249
109	S0109	I1119	2,6-Dimethoxyphenol	3137
110	S00110	I1120	Resorcinol	3589
111	S0111	I1121	Carvacrol	2245
112	S0112	I1122	2-Methoxy-4-propylphenol	3598
113	S0113	I1123	2,5-Xylenol	3595
114	S0114	I1124	<i>p</i> -Vinylphenol	3739
115	S0115	I1131	Acetaldehyde	2003
116	S0116	I1132	Acetaldehyde diethyl acetal	2002
117	S0117	I1133	Propionaldehyde	2923
118	S0118	I1134	3-(2-Furyl)acrolein	2494
119	S0119	I1135	Butyraldehyde	2219
120	S0120	I1136	2-Methylbutyraldehyde	2691