

Table 1. Target compounds and individual food additives.

No.	Compound	Use	Name of food additive	D/E*	Number of items	Total
1	Aspartame	Sweetener	Aspartame	D	1	1
2	Xylitol	Sweetener	Xylitol	D	2	2
3	Glycyrrhizine	Sweetener	Disodium glycyrrhizinate	D	3	3
			Licorice extract	E	4	4
4	Sodium saccharin	Sweetener	Sodium saccharin	D	5	5
			Saccharin	D	6	6
5	D-Sorbitol	Sweetener	D-Sorbitol	D	7	7
6	D-Mannitol	Sweetener	D-Mannitol	D	8	8
7	Amaranth	Food color	Amaranth	D	9	9
			Amaranth aluminum lake	D	10	10
8	Erythrosine	Food color	Erythrosine	D	11	11
			Erythrosine aluminum lake	D	12	12
9	Allura red AC	Food color	Allura red AC	D	13	13
			Allura red AC aluminum lake	D	14	14
10	New coccine	Food color	New coccine	D	15	15
11	Phloxine	Food color	Phloxine	D	16	16
12	Rose bengale	Food color	Rose bengale	D	17	17
13	Acid red	Food color	Acid red	D	18	18
14	Tartrazine	Food color	Tartrazine	D	19	19
			Tartrazine aluminum lake	D	20	20
15	Sunset yellow FCF	Food color	Sunset yellow FCF	D	21	21
			Sunset yellow FCF aluminum lake	D	22	22
16	Fast green FCF	Food color	Fast green FCF	D	23	23
			Fast green FCF aluminum lake	D	24	24
17	Brilliant blue FCF	Food color	Brilliant blue FCF	D	25	25
			Brilliant blue FCF aluminum lake	D	26	26
18	Indigo carmine	Food color	Indigo carmine	D	27	27
			Indigo carmine aluminum lake	D	28	28
19	Titanium dioxide	Food color	Titanium dioxide	D	29	29
20	β -Carotene	Food color	β -Carotene	D	30	30
			Sweet potato carotene	E	31	31
			Dunaliella carotene	E	32	32
			Carrot carotene	E	33	33
			Palm oil carotene	E	34	34
21	Norbixin	Food color	Potassium norbixin	D	35	35
			Sodium norbixin	D	36	36
			Annato extract	E	37	37
22	Sulfurous acid	Preservative	Potassium sulfite solution	D	38	38
			Sodium sulfite solution	D	39	39
			Sodium sulfite, crystal	D	40	40
			Sodium sulfite, anhydrous	D	41	41
			Sodium hydrosulfite	D	42	42
			Sulfur dioxide	D	43	43
			Potassium pyrosulfite	D	44	44
			Sodium pyrosulfite	D	45	45
23	Benzoic acid	Preservative	Benzoic acid	D	46	46
			Sodium benzoate	D	47	47
24	Sorbic acid	Preservative	Sorbic acid	D	48	48
			Potassium sorbate	D	49	49
25	Dehydroacetic acid	Preservative	Sodium dehydroacetate	D	50	50
26	Isobutyl <i>p</i> -hydroxybenzoate	Preservative	Isobutyl <i>p</i> -hydroxybenzoate	D	51	51
27	Isopropyl <i>p</i> -hydroxybenzoate	Preservative	Isopropyl <i>p</i> -hydroxybenzoate	D	52	52
28	Ethyl <i>p</i> -hydroxybenzoate	Preservative	Ethyl <i>p</i> -hydroxybenzoate	D	53	53
29	Butyl <i>p</i> -hydroxybenzoate	Preservative	Butyl <i>p</i> -hydroxybenzoate	D	54	54
30	Propyl <i>p</i> -hydroxybenzoate	Preservative	Propyl <i>p</i> -hydroxybenzoate	D	55	55
31	Propionic acid	Preservative	Propionic acid	D	56	56
			Calcium propionate	D	57	57
			Sodium propionate	D	58	58
32	EDTA	Antioxidant	Calcium disodium EDTA	D	59	59
			Disodium EDTA	D	60	60

No.	Compound	Use	Name of food additive	D/E*	Number of items	Total
33	Erythorbic acid	Antioxidant	Erythorbic acid	D	61	61
			Sodium erythorbate	D	62	62
34	Isopropyl citrate	Antioxidant	Isopropyl citrate	D	63	63
35	L-Cysteine hydrochloride	Antioxidant	L-Cysteine hydrochloride	D	64	64
36	Butylated hydroxytoluene (BHT)	Antioxidant	Butylated hydroxytoluene (BHT)	D	65	65
37	d- α -Tocopherol	Antioxidant	dl- α -Tocopherol	D	66	66
			d- α -Tocopherol	E	67	67
			Mixed tocopherols	E	68	68
38	d- β -Tocopherol	Antioxidant	Mixed tocopherols	E	69	69
39	d- γ -Tocopherol	Antioxidant	d- γ -Tocopherol	E	70	70
			Mixed tocopherols	E		71
40	d- δ -Tocopherol	Antioxidant	d- δ -Tocopherol	E	71	72
			Mixed tocopherols	E		73
41	Butylated hydroxyanisole (BHA)	Antioxidant	Butylated hydroxyanisole (BHA)	D	72	74
42	Propyl gallate	Antioxidant	Propyl gallate	D	73	75
43	Nitrite	Color fixative	Sodium nitrite	D	74	76
44	Nitrate	Color fixative	Potassium nitrate	D	75	77
			Sodium nitrate	D	76	78
45	Imazaril	Antifungal agent	Imazaril	D	77	79
46	<i>o</i> -Phenylphenol (OPP)	Antifungal agent	<i>o</i> -Phenylphenol	D	78	80
			Sodium <i>o</i> -phenylphenate	D	79	81
47	Diphenyl	Antifungal agent	Diphenyl	D	80	82
48	Thiabendazole	Antifungal agent	Thiabendazole	D	81	83
49	L-Aspartic acid	Seasoning	Monosodium L-aspartate	D	82	84
			L-Aspartic acid	E	83	85
			L-Lysine L-aspartate	D	84	86
50	DL-Alanine	Seasoning	DL-Alanine	D	85	87
			L-Alanine	E	86	88
51	Disodium 5'-inosinate	Seasoning	Disodium 5'-inosinate	D	87	89
			Calcium 5'-ribonucleotide	D	88	90
			Sodium 5'-ribonucleotide	D	89	91
52	Disodium 5'-uridyate	Seasoning	Disodium 5'-uridyate	D	90	92
			Calcium 5'-ribonucleotide	D		93
			Sodium 5'-ribonucleotide	D		94
53	Disodium 5'-guanylate	Seasoning	Disodium 5'-guanylate	D	91	95
			Calcium 5'-ribonucleotide	D		96
			Sodium 5'-ribonucleotide	D		97
54	Glycine	Seasoning	Glycine	D	92	98
55	L-Glutamic acid	Seasoning	L-Glutamic acid	D	93	99
			Monopotassium L-glutamate	D	94	100
			Calcium L-glutamate	D	95	101
			Disodium L-glutamate	D	96	102
			Magnesium L-glutamate	D	97	103
			L-Lysine L-glutamate	D	98	104
			L-Arginine L-glutamate	D	99	105
56	Disodium 5'-cytidylate	Seasoning	Disodium 5'-cytidylate	D	100	106
			Calcium 5'-ribonucleotide	D		107
			Sodium 5'-ribonucleotide	D		108
57	L-Theanine	Seasoning	L-Theanine	D	101	109
58	L-Isoleucine	Dietary supplement	L-Isoleucine	D	102	110
59	L-Tryptophan	Dietary supplement	DL-Tryptophan	D	103	111
			L-Tryptophan	D	104	112
60	L-Threonine	Dietary supplement	DL-Threonine	D	105	113
			L-Threonine	D	106	114
61	L-Valine	Dietary supplement	L-Valine	D	107	115
62	L-Histidine hydrochloride	Dietary supplement	L-Histidine monohydrochloride	D	108	116
			L-Histidine	E	109	117
63	L-Phenylalanine	Dietary supplement	L-Phenylalanine	D	110	118
64	DL-Methionine	Dietary supplement	DL-Methionine	D	111	119
			L-Methionine	D	112	120

No.	Compound	Use	Name of food additive	D/E*	Number of items	Total
65	L-Lysine hydrochloride	Dietary supplement	L-Lysine monohydrochloride	D	113	121
			L-Lysine L-aspartate	D		122
			L-Lysine L-glutamate	D		123
			L-Lysine	E	114	124
66	L-Ascorbic acid	Dietary supplement	L-Ascorbic acid	D	115	125
			Sodium L-ascorbate	D	116	126
67	L-Ascorbyl stearate	Dietary supplement	L-Ascorbyl stearate	D	117	127
68	L-Ascorbyl palmitate	Dietary supplement	L-Ascorbyl palmitate	D	118	128
69	Thiamine hydrochloride	Dietary supplement	Thiamine hydrochloride	D	119	129
			Thiamine mononitrate	D	120	130
			Thiamine dicetylsulfate	D	121	131
			Thiamine thiocyanate	D	122	132
			Thiamine naphthalene-1,5-disulfonate	D	123	133
			Thiamine dilaurylsulfate	D	124	134
70	Riboflavin	Dietary supplement	Riboflavin	D	125	135
			Riboflavin tetrabutyrates	D	126	136
			Riboflavin 5'-phosphate sodium	D	127	137
71	Glycerol	Processing agent	Glycerol	D	128	138
72	Silicone resin	Processing agent	Silicone resin	D	129	139
73	Propylene glycol	Processing agent	Propylene glycol	D	130	140
74	Adipic acid	Acidifier	Adipic acid	D	131	141
75	Citric acid	Acidifier	Citric acid, crystal	D	132	142
			Citric acid, anhydrous	D	133	143
			Monopotassium citrate	D	134	144
			Tripotassium citrate	D	135	145
			Trisodium citrate, crystal	D	136	146
			Calcium citrate	D	137	147
			Sodium ferrous citrate	D	138	148
			Ferric citrate	D	139	149
			Ferric ammonium citrate	D	140	150
			Trisodium citrate, anhydrous	D	141	151
76	Gluconic acid	Acidifier	Gluconic acid	D	142	152
			Potassium gluconate	D	143	153
			Calcium gluconate	D	144	154
			Ferrous gluconate	D	145	155
			Sodium gluconate	D	146	156
			Glucono- δ -lactone	D	147	157
			Copper gluconate	D	148	158
			Zinc gluconate	D	149	159
77	Succinic acid	Acidifier	Succinic acid	D	150	160
			Monosodium succinate	D	151	161
			Disodium succinate	D	152	162
78	L-Tartaric acid	Acidifier	L-Tartaric acid	D	153	163
			DL-Tartaric acid	D	154	164
			Potassium DL-bitartrate	D	155	165
			Potassium L-bitartrate	D	156	166
			Disodium DL-tartrate	D	157	167
			Disodium L-tartrate	D	158	168
79	Lactic acid	Acidifier	Lactic acid	D	159	169
			Calcium lactate	D	160	170
			Iron lactate	D	161	171
			Sodium lactate	D	162	172
80	Acetic acid	Acidifier	Acetic acid	D	163	173
			Sodium acetate, crystal	D	164	174
			Sodium acetate, anhydrous	D	165	175
81	Fumaric acid	Acidifier	Fumaric acid	D	166	176
			Monosodium fumarate	D	167	177
82	DL-Malic acid	Acidifier	DL-Malic acid	D	168	178
			Sodium DL-malate	D	169	179

No.	Compound	Use	Name of food additive	D/E*	Number of items	Total
83	Calcium	Miscellaneous	Calcium chloride	D	170	180
			Calcium carboxymethylcellulose	D	171	181
			Calcium citrate	D		182
			Calcium glycerophosphate	D	172	183
			Calcium gluconate	D		184
			Monocalcium di-L-glutamate	D		185
			Calcium hydroxide	D	173	186
			Calcium stearoyl lactylate	D	174	187
			Calcium carbonate	D	175	188
			Calcinated calcium	E	176	189
			None-calcinated calcium	E	177	190
			Bone charcoal	E	178	191
			Quicklime	E	179	192
			Calcium lactate	D		193
			Calcium pantothenate	D	180	194
			Calcium dihydrogen pyrophosphate	D	181	195
			Calcium propionate	D		196
			Calcium 5'-ribonucleotide	D		197
			Calcium sulfate	D	182	198
			Tricalcium phosphate	D	183	199
			Calcium monohydrogen phosphate	D	184	200
			Calcium dihydrogen phosphate	D	185	201
			Calcium disodium EDTA	D	186	202
			High-test hypochlorite	D	187	203
84	Orthophosphoric acid	Miscellaneous	Phosphoric acid	D	188	204
			Tripotassium phosphate	D	189	205
			Tricalcium phosphate	D		206
			Diammonium hydrogen phosphate	D	190	207
			Ammonium dihydrogen phosphate	D	191	208
			Dipotassium hydrogen phosphate	D	192	209
			Potassium dihydrogen phosphate	D	193	210
			Calcium monohydrogen phosphate	D		211
			Calcium dihydrogen phosphate	D		212
			Disodium hydrogen phosphate, crystal	D	194	213
			Disodium hydrogen phosphate, anhydrous	D	195	214
			Sodium dihydrogen phosphate, crystal	D	196	215
			Sodium dihydrogen phosphate, anhydrous	D	197	216
			Trisodium phosphate, crystal	D	198	217
			Trisodium phosphate, anhydrous	D	199	218
			(x) Choline phosphate	D	200	219
			Potassium pyrophosphate	D	201	220
			Calcium dihydrogen pyrophosphate	D		221
			Disodium dihydrogen pyrophosphate	D	202	222
			(x) Ferrous pyrophosphate	D	203	223
			Ferric pyrophosphate	D	204	224
			Sodium pyrophosphate, crystal	D	205	225
			Sodium pyrophosphate, anhydrous	D	206	226
			Potassium polyphosphate	D	207	227
			Sodium polyphosphate	D	208	228
			Potassium metaphosphate	D	209	229
			Sodium metaphosphate	D	210	230
			Bone charcoal	E		231
			Calcinated calcium	E		232
			None-calcinated calcium	E		233

No.	Compound	Use	Name of food additive	D/E*	Number of items	Total
85	Aluminum	Miscellaneous	Amaranth aluminum lake	D		234
			Erythrosine aluminum lake	D		235
			Allura red AC aluminum lake	D		236
			Tartrazine aluminum lake	D		237
			Sunset yellow FCF aluminum lake	D		238
			Fast green FCF aluminum lake	D		239
			Brilliant blue FCF aluminum lake	D		240
			Indigo carmine aluminum lake	D		241
			Aluminum ammonium sulfate	D	211	242
			Aluminum ammonium sulfate, dried	D	212	243
			Aluminum potassium sulfate	D	213	244
			Aluminum potassium sulfate, dried	D	214	245
			Aluminum	E	215	246
86	Iron	Miscellaneous	Ferric chloride	D	216	247
			Sodium ferrous citrate	D		248
			Ferric citrate	D		249
			Ferric ammonium citrate	D		250
			Ferrous gluconate	D		251
			Sodium iron chlorophyllin	D	217	252
			Iron lactate	D		253
			(x) Ferrous pyrophosphate	D		254
			Ferric pyrophosphate	D		255
			Ferrous sulfate, dried	D	218	256
			Ferrous sulfate, crystal	D	219	257
			Iron	E	220	258
			Heme iron	E	221	259
			Ferritin	E	222	260
87	Magnesium	Miscellaneous	Iron sesquioxide	D	223	261
			Magnesium chloride	D	224	262
			Monomagnesium di-L-glutamate	D		263
			Magnesium oxide	D	225	264
			Magnesium carbonate	D	226	265
			Magnesium sulfate	D	227	266
88	Nordihydroguaiaretic acid	Antioxidant	Crude magnesium chloride, sea water	E	228	267
			Nordihydroguaiaretic acid	E	229	268
89	Naringin	Bittering agent	Naringin	E	230	269
90	Hesperidine	Dietary supplement	Hesperidine	E	231	270
91	Kojic acid	Processing agent	Kojic acid	E	232	271
92	L-Asparagine	Dietary supplement	L-Asparagine	E	233	272
93	L-Glutamine	Dietary supplement	L-Glutamine	E	234	273
94	L-Arginine	Dietary supplement	L-Arginine	E	235	274
			L-Arginine L-glutamate	D		275
95	L-Cystine	Dietary supplement	L-Cystine	E	236	276
96	L-Serine	Dietary supplement	L-Serine	E	237	277
97	L-Hydroxyproline	Dietary supplement	L-hydroxyproline	E	238	278
98	L-Tyrosine	Dietary supplement	L-Tyrosine	E	239	279
99	L-Proline	Dietary supplement	L-Proline	E	240	280
100	L-Leucine	Dietary supplement	L-Leucine	E	241	281

Items marked with "(x)" were withdrawn from the list of approved additives on June 30, 2001.

D: Designated additives

E: Existing food additives