

Table 8. Estimated maximum intake (mg/day/person) by age category.

For undetected samples, the detection limit or the determination limit was applied in estimation.

No.	Compound	Use	Group A/B *	1-6 year olds	7-14 year olds	15-19 year olds	20-64 year olds	Over 64 year olds
1	Aspartame	Sweetener	A	3.21	4.95	3.86	4.26	3.03
2	Xylitol	Sweetener	B	26.0	29.9	21	16.5	13.7
3	Glycyrrhizine	Sweetener	B	0.417	0.653	0.75	0.654	0.325
4	Sodium saccharin	Sweetener	A	0.308	0.525	0.421	0.9	0.857
5	D-Sorbitol	Sweetener	B	567	684	826	896	932
6	D-Mannitol	Sweetener	B	643	1201	1312	1007	739
7	Amaranth	Food color	A	0.002	0.0029	0.00291	0.003	0.00273
8	Erythrosine	Food color	A	0.0022	0.0031	0.00368	0.0049	0.00408
9	Allura red AC	Food color	A	0.002	0.0029	0.00291	0.003	0.00273
10	New coccine	Food color	A	0.0032	0.00432	0.00747	0.0077	0.00625
11	Phloxine	Food color	A	0.002	0.0029	0.00291	0.003	0.00273
12	Rose bengale	Food color	A	0.002	0.0029	0.00291	0.003	0.00273
13	Acid red	Food color	A	0.002	0.0029	0.00291	0.003	0.0028
14	Tartrazine	Food color	A	0.0024	0.00295	0.00334	0.0036	0.0035
15	Sunset yellow FCF	Food color	A	0.002	0.0029	0.00291	0.003	0.00283
16	Fast green FCF	Food color	A	0.002	0.0029	0.00291	0.003	0.00273
17	Brilliant blue FCF	Food color	A	0.002	0.0029	0.00291	0.003	0.00273
18	Indigo carmine	Food color	A	0.002	0.0029	0.00291	0.003	0.00273
19	Titanium dioxide (Titanium)	Food color	B	0.973	1.45	0.00291	1.49	1.37
20	<i>β</i> -Carotene	Food color	B	1.39	1.79	1.92	1.93	2.20
21	Norbixin	Food color	A	0.486	0.726	0.727	0.745	0.682
22	Sulfurous acid	Preservative	B	0.762	1.17	1.18	1.19	1.17
23	Benzoic acid	Preservative	A	0.581	1.27	1.33	0.836	0.893
24	Sorbic acid	Preservative	A	13.1	15.8	22.1	17.9	12
25	Dehydroacetic acid	Preservative	A	0.146	0.218	0.218	0.223	0.149
26	Isobutyl p-hydroxybenzoate	Preservative	A	0.0813	0.122	0.127	0.13	0.134
27	Isopropyl p-hydroxybenzoate	Preservative	A	0.0813	0.122	0.127	0.13	0.111
28	Ethyl p-hydroxybenzoate	Preservative	A	0.11	0.176	0.229	0.193	0.145
29	Butyl p-hydroxybenzoate	Preservative	A	0.212	0.427	0.566	0.295	0.255
30	Propyl p-hydroxybenzoate	Preservative	A	0.0813	0.122	0.127	0.13	0.111
31	Propionic acid	Preservative	B	2.08	2.81	3.23	3.89	3.45
32	EDTA (EDTA _{Ca} Na)	Antioxidant	A	0.916	1.39	1.36	1.36	1.3
33	Erythorbic acid	Antioxidant	A	0.228	0.317	0.369	0.292	0.194
34	Isopropyl citrate (Monoisopropyl citrate)	Antioxidant	A	0.486	0.726	0.727	0.745	0.683
35	L-Cysteine hydrochloride (Cysteine)	Antioxidant	B	44.1	63.3	71.5	98	81
36	Butylated hydroxytoluene	Antioxidant	A	0.0483	0.0886	0.0898	0.0951	0.117
37	<i>d-α</i> -Tocopherol (<i>α</i> -Tocopherol)	Antioxidant	B	5.55	7.39	9.69	7.84	6.67
38	<i>d-β</i> -Tocopherol (<i>β</i> -Tocopherol)	Antioxidant	B	0.228	0.318	0.351	0.268	0.293
39	<i>d-γ</i> -Tocopherol (<i>γ</i> -Tocopherol)	Antioxidant	B	5.35	8.06	11.3	8.16	7.68
40	<i>d-δ</i> -Tocopherol (<i>δ</i> -Tocopherol)	Antioxidant	B	1.81	2.04	3.05	2.98	2.47
41	Butylated hydroxylanisole	Antioxidant	A	0.06	0.0886	0.118	0.109	0.0618
42	Propyl gallate	Antioxidant	A	0.813	1.22	1.63	1.3	1.24
43	Nitrite (NO ₂)	Color fixative	B	0.262	0.519	0.46	0.647	0.542
44	Nitrate (NO ₃)	Color fixative	B	129	220	239	289	252
45	Imazalil	Antifungal agent	A	0.0016	0.00244	0.00253	0.0026	0.00247
46	<i>o</i> -Phenylphenol	Antifungal agent	A	0.002	0.0029	0.00291	0.003	0.00273
47	Diphenyl	Antifungal agent	A	0.002	0.0029	0.00291	0.003	0.00273
48	Thiabendazole	Antifungal agent	A	0.0005	0.000950	0.00108	0.0014	0.00120
49	L-Aspartic acid (Aspartic acid)	Seasoning	B	197	283	336	371	352
50	DL-Alanine (Alanine)	Seasoning	B	266	401	497	532	524
51	Disodium 5'-inosinate (Inosinic acid)	Seasoning	B	8.6	12.5	26.6	28.5	23.7
52	Disodium 5'-uridyate (Uridylic acid)	Seasoning	B	1.2	1.56	1.69	1.56	1.15
53	Disodium 5'-guanylate (Guanylic acid)	Seasoning	B	1.76	2.6	3.32	3.99	2.73
54	Glycine	Seasoning	B	137	209	278	297	270
55	L-Glutamic acid (Glutamic acid)	Seasoning	B	923	1342	1767	1900	1637
56	Disodium 5'-cytidylate (Cytidylic acid)	Seasoning	B	0.526	0.672	0.597	0.547	0.494
57	L-Theanine (Theanine)	Seasoning	B	7.41	9.03	12.3	22	25.1
58	L-Isoleucine (Isoleucine)	Dietary supplement	B	101	152	189	199	207
59	L-Tryptophan (Tryptophan)	Dietary supplement	B	17.6	27.7	26.2	35.7	28.6
60	L-Threonine (Threonine)	Dietary supplement	B	69.2	107	118	147	150
61	L-Valine (Valine)	Dietary supplement	B	143	210	252	276	275
62	L-Histidine hydrochloride (Histidine)	Dietary supplement	B	155	241	260	331	350
63	L-Phenylalanine (Phenylalanine)	Dietary supplement	B	133	196	241	271	272
64	DL-Methionine (Methionine)	Dietary supplement	B	52.7	80.2	101	95.3	96.7
65	L-Lysine hydrochloride (Lysine)	Dietary supplement	B	148	239	278	336	319
66	L-Ascorbic acid (Total of oxidized and reduced style)	Dietary supplement	B	80.6	115	108	113	100
67	L-Ascorbyl stearate	Dietary supplement	A	0.389	0.581	0.581	0.596	0.546
68	L-Ascorbyl palmitate	Dietary supplement	A	0.389	0.581	0.581	0.596	0.546
69	Thiamine hydrochloride	Dietary supplement	B	0.475	0.731	0.716	0.732	0.715
70	Riboflavin	Dietary supplement	B	1.2	1.71	1.65	1.43	1.32
71	Glycerol	Processing agent	B	428	709	748	955	919
72	Silicone resin (dimethylpolysiloxane)	Processing agent	A	1.61	1.75	1.71	4.35	11.2
73	Propylene glycol	Processing agent	A	13.9	17	35.6	14.7	18.8
74	Adipic acid	Acidifier	B	0.747	1.13	1.41	1.86	2.37
75	Citric acid	Acidifier	B	1486	1903	1831	2063	2190
76	Gluconic acid	Acidifier	B	73.1	80.7	103	87.3	79.9
77	Succinic acid	Acidifier	B	127	139	184	200	268
78	L-Tartaric acid	Acidifier	B	143	138	102	91.5	87.5
79	Lactic acid	Acidifier	B	1506	2049	2229	2593	2605
80	Acetic acid	Acidifier	B	404	674	806	851	784
81	Fumaric acid	Acidifier	B	22.2	32.1	34.4	38.4	39.2
82	DL-Malic acid	Acidifier	B	1080	1398	1375	1700	1725
83	Calcium	Miscellaneous	B	527	725	602	497	497
84	Orthophosphoric acid	Miscellaneous	A	1350	1940	1986	2094	1807
85	Aluminum	Miscellaneous	B	5.17	5.7	6.79	7.69	7.98
86	Iron	Miscellaneous	B	5.73	8.13	9.44	9.43	9.05
87	Magnesium	Miscellaneous	B	203	300	317	328	331

No.	Compound	Use	Group A/B *	1-6 year olds	7-14 year olds	15-19 year olds	20-64 year olds	Over 64 year olds
88	Nordihydroguaiaretic acid	Antioxidant	B	0.916	1.39	7.27	1.36	1.3
89	Naringin	Bittering agent	B	4.86	7.26	7.27	8.71	7.51
90	Hesperidine	Dietary supplement	B	23.3	30.2	24.1	22.6	27.5
91	Kojic acid	Processing agent	B	0.486	0.726	0.727	0.745	0.682
92	L-Asparagine (Asparagine)	Dietary supplement	B	201	301	263	337	278
93	L-Glutamine (Glutamine)	Dietary supplement	B	389	615	632	621	693
94	L-Arginine (Arginine)	Dietary supplement	B	195	285	303	368	355
95	L-Cystine (Cystine)	Dietary supplement	B	1.94	2.82	3.29	3.71	3.6
96	L-Serine (Serine)	Dietary supplement	B	113	167	188	230	231
97	L-Hydroxyproline (Hydroxyproline)	Dietary supplement	B	3.73	5.9	6.53	6.22	5.35
98	L-Tyrosine (Tyrosine)	Dietary supplement	B	59.4	86.7	88	119	112
99	L-Proline (Proline)	Dietary supplement	B	167	238	246	275	248
100	L-Leucine (Leucine)	Dietary supplement	B	200	294	374	396	411

* Group A/B: Food additives in Group A do not from naturally occur and those in Group B do.