

Table 9. Ratio (%) of estimated maximum intake to ADI by age category.

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

No. Compound	ADI (mg/day/ kg b.w.)	1-6 year olds (15.9 kg b.w.)		7-14 year olds (37.1 kg b.w.)		15-19 year olds (56.3 kg b.w.)		20-64 year olds (58.7 kg b.w.)		Over 64 year olds (53.2 kg b.w.)	
		Intake (mg)	Ratio to ADI (%)	Intake (mg)	Ratio to ADI (%)	Intake (mg)	Ratio to ADI (%)	Intake (mg)	Ratio to ADI (%)	Intake (mg)	Ratio to ADI (%)
1 Aspartame	40	3.21	0.5	4.95	0.3	3.86	0.2	4.26	0.2	3.03	0.1
2 Xylitol	NS	26.0	NS	29.9	NS	21	NS	16.5	NS	13.7	NS
3 Glycyrrhizine		0.417		0.653		0.75		0.654		0.325	
4 Sodium saccharin	5.0	0.308	0.4	0.525	0.3	0.421	0.1	0.9	0.3	0.857	0.3
5 D-Sorbitol	NS	567	NS	684	NS	826	NS	896	NS	932	NS
6 D-Mannitol	NS	643	NS	1201	NS	1312	NS	1007	NS	739	NS
7 Amaranth	0.5	0.00195	0.0	0.0029	0.0	0.00291	0.0	0.00298	0.0	0.00273	0.0
8 Erythrosine	0.1	0.0022	0.1	0.0031	0.1	0.00368	0.1	0.00486	0.1	0.00408	0.1
9 Allura red AC	7	0.00195	0.0	0.0029	0.0	0.00291	0.0	0.00298	0.0	0.00273	0.0
10 New cocchine	4	0.00316	0.0	0.00432	0.0	0.00747	0.0	0.00773	0.0	0.00625	0.0
11 Phloxine		0.00195		0.0029		0.00291		0.00298		0.00273	
12 Rose bengale		0.00195		0.0029		0.00291		0.00298		0.00273	
13 Acid red		0.00195		0.0029		0.00291		0.00301		0.0028	
14 Tartrazine	7.5	0.00235	0.0	0.00295	0.0	0.00334	0.0	0.00359	0.0	0.0035	0.0
15 Sunset yellow FCF	2.5	0.00195	0.0	0.0029	0.0	0.00291	0.0	0.00304	0.0	0.00283	0.0
16 Fast green FCF	25	0.00195	0.0	0.0029	0.0	0.00291	0.0	0.00298	0.0	0.00273	0.0
17 Brilliant blue FCF	12.5	0.00195	0.0	0.0029	0.0	0.00291	0.0	0.00298	0.0	0.00273	0.0
18 Indigo carmine	5	0.00195	0.0	0.0029	0.0	0.00291	0.0	0.00298	0.0	0.00273	0.0
19 Titanium dioxide	NL	0.973	NL	1.45	NL	0.00291	NL	1.49	NL	1.37	NL
20 β -Carotene	5	1.39	1.7	1.79	1.0	1.92	0.7	1.93	0.7	2.20	0.8
21 Norbixine		0.486		0.726		0.727		0.745		0.682	
22 Sulfurous acid	0.7 (G)	0.762	6.8	1.17	4.5	1.18	3.0	1.19	2.9	1.17	3.1
23 Benzoic acid	5 (G)	0.581	0.7	1.27	0.7	1.33	0.5	0.836	0.3	0.893	0.3
24 Sorbic acid	25 (G)	13.1	3.3	15.8	1.7	22.1	1.6	17.9	1.2	12	0.9
25 Dehydroacetic acid		0.146		0.218		0.218		0.223		0.149	
26 Isobutyl <i>p</i> -hydroxybenzoate		0.0813		0.122		0.127		0.13		0.134	
27 Isopropyl <i>p</i> -hydroxybenzoate		0.0813		0.122		0.127		0.13		0.111	
28 Ethyl <i>p</i> -hydroxybenzoate	10 (G)	0.11	0.1	0.176	0.0	0.229	0.0	0.193	0.0	0.145	0.0
29 Butyl <i>p</i> -hydroxybenzoate		0.212		0.427		0.566		0.295		0.255	
30 Propyl <i>p</i> -hydroxybenzoate	10 (G)	0.0813	0.1	0.122	0.0	0.127	0.0	0.13	0.0	0.111	0.0
31 Propionic acid	NL (G)	2.08	NL	2.81	NL	3.23	NL	3.89	NL	3.45	NL
32 EDTA	2.5	0.916	2.3	1.39	1.5	1.36	1.0	1.36	0.9	1.3	1.0

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		Intake (mg)	Ratio to ADI (%)	Intake (mg)	Ratio to ADI (%)	Intake (mg)	Ratio to ADI (%)	Intake (mg)	Ratio to ADI (%)	Intake (mg)	Ratio to ADI (%)
33 Erythorbic acid	NS	0.228	NS	0.317	NS	0.369	NS	0.292	NS	0.194	NS
34 Isopropyl citrate	14	0.486	0.2	0.726	0.1	0.727	0.1	0.745	0.1	0.683	0.1
35 L-Cysteine		44.1		63.3		71.5		98		81	
36 Butylated hydroxytoluene (BHT)	0.3	0.0483	1.0	0.0886	0.8	0.0898	0.5	0.0951	0.5	0.117	0.7
37 d- α -Tocopherol	2	5.55	17.5	7.39	10.0	9.69	8.6	7.84	6.7	6.67	6.3
38 d- β -Tocopherol		0.228		0.318		0.351		0.268		0.293	
39 d- γ -Tocopherol		5.35		8.06		11.3		8.16		7.68	
40 d- δ -Tocopherol		1.81		2.04		3.05		2.98		2.47	
41 Butylated hydroxyanisole (BHA)	0.5	0.06	0.8	0.0886	0.5	0.118	0.4	0.109	0.4	0.0618	0.2
42 Propyl gallate	1.4	0.813	3.7	1.22	2.3	1.63	2.1	1.3	1.6	1.24	1.7
43 Nitrite	0.06 (G)	0.262	27.5	0.519	23.3	0.46	13.6	0.647	18.4	0.542	17.0
44 Nitrate	3.7 (G)	129	219.3	220	160.3	239	114.7	289	133.1	252	128.0
45 Imazaryl		0.00163		0.00244		0.00253		0.0026		0.00247	
46 o-Phenylphenol	0.2	0.00195	0.1	0.00290	0.0	0.00291	0.0	0.00298	0.0	0.00273	0.0
47 Diphenyl	0.05	0.00195	0.2	0.00290	0.2	0.00291	0.1	0.00298	0.1	0.00273	0.1
48 Thiabendazole	0.1	0.00052	0.0	0.000950	0.0	0.00108	0.0	0.00142	0.0	0.00120	0.0
49 L-Aspartic acid		197		283		336		371		352	
50 DL-Alanine		266		401		497		532		524	
51 Disodium 5'-inosinate	NS (G)	8.6	NS	12.5	NS	26.6	NS	28.5	NS	23.7	NS
52 Disodium 5'-uridylylate	NS (G)	1.2	NS	1.56	NS	1.69	NS	1.56	NS	1.15	NS
53 Disodium 5'-guanylylate	NS (G)	1.76	NS	2.6	NS	3.32	NS	3.99	NS	2.73	NS
54 Glycine		137		209		278		297		270	
55 L-Glutamic acid	NS (G)	923	NS	1342	NS	1767	NS	1900	NS	1637	NS
56 Disodium 5'-cytidylate	NS (G)	0.526	NS	0.672	NS	0.597	NS	0.547	NS	0.494	NS
57 L-Theanine		7.41		9.03		12.3		22		25.1	
58 L-Isoleucine		101		152		189		199		207	
59 L-Tryptophan		17.6		27.7		26.2		35.7		28.6	
60 L-Threonine		69.2		107		118		147		150	
61 L-Valine		143		210		252		276		275	
62 L-Histidine		155		241		260		331		350	
63 L-Phenylalanine		133		196		241		271		272	
64 DL-Methionine		52.7		80.2		101		95.3		96.7	
65 L-Lysine		148		239		278		336		319	
66 L-Ascorbic acid	NS (G)	80.6	NS	115	NS	108	NS	113	NS	100	NS
67 L-Ascorbyl stearate	1.25 (G)	0.389	2.0	0.581	1.3	0.581	0.8	0.596	0.8	0.546	0.8

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68 L-Ascorbyl palmitate	1.25 (G)	0.389	2.0	0.581	1.3	0.581	0.8	0.596	0.8	0.546	0.8
69 Thiamine		0.475		0.731		0.716		0.732		0.715	
70 Riboflavin	0.5	1.2	15.1	1.71	9.2	1.65	5.9	1.43	4.9	1.32	5.0
71 Glycerol	NS (G)	428	NS	709	NS	748	NS	955	NS	919	NS
72 Dimethylpolysiloxane		1.61		1.75		1.71		4.35		11.2	
73 Propylene glycol	25	13.9	3.5	17	1.8	35.6	2.5	14.7	1.0	18.8	1.4
74 Adipic acid	5	0.747	0.9	1.13	0.6	1.41	0.5	1.86	0.6	2.37	0.9
75 Citric acid	NL (G)	1486	NL	1903	NL	1831	NL	2063	NL	2190	NL
76 Gluconic acid	NS	73.1	NS	80.7	NS	103	NS	87.3	NS	79.9	NS
77 Succinic acid		127		139		184		200		268	
78 L-Tartaric acid	30 (G)	143	30.0	138	12.4	102	6.0	91.5	5.2	87.5	5.5
79 Lactic acid	NL (G)	1506	NL	2049	NL	2229	NL	2593	NL	2605	NL
80 Acetic acid	NL (G)	404	NL	674	NL	806	NL	851	NL	784	NL
81 Fumaric acid	NS	22.2	NS	32.1	NS	34.4	NS	38.4	NS	39.2	NS
82 DL-Malic acid	NS (G)	1080	NS	1398	NS	1375	NS	1700	NS	1725	NS
83 Calcium		527		725		602		497		497	
84 Orthophosphoric acid	221 (MTDI)	1350	38.4	1940	23.7	1986	16.0	2094	16.1	1807	15.4
85 Aluminum	1	5.17	32.5	5.7	15.4	6.79	12.1	7.69	13.1	7.98	15.0
86 Iron	0.8	5.73	45.0	8.13	27.4	9.44	21.0	9.43	20.1	9.05	21.3
87 Magnesium		203		300		317		328		331	
88 Nordihydroguaiaretic acid		0.916		1.39		7.27		1.36		1.3	
89 Naringin		4.86		7.26		7.27		8.71		7.51	
90 Hesperidine		23.3		30.2		24.1		22.6		27.5	
91 Kojic acid		0.486		0.726		0.727		0.745		0.682	
92 L-Asparagine		201		301		263		337		278	
93 L-Glutamine		389		615		632		621		693	
94 L-Arginine		195		285		303		368		355	
95 L-Cystine		1.94		2.82		3.29		3.71		3.6	
96 L-Serine		113		167		188		230		231	
97 L-Hydroxyproline		3.73		5.9		6.53		6.22		5.35	
98 L-Tyrosine		59.4		86.7		88		119		112	
99 L-Proline		167		238		246		275		248	
100 L-Leucine		200		294		374		396		411	

NS: Not specified, NL: Not limited