

Table 6. Ratio (%) of daily intake of food additives to ADI by age category.

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	1.58	0.2	2.30	0.2	2.64	0.1	2.55	0.1	1.70	0.1
2	Xylitol	NS	16.7	NS	17.1	NS	8.81	NS	4.45	NS	1.69	NS
3	Glycyrrhizine		0.217		0.273		0.355		0.301		0.272	
4	Sodium saccharin	5.0	0.0800	0.1	0.180	0.1	0.200	0.1	0.760	0.3	0.730	0.3
5	D-Sorbitol	NS	567	NS	684	NS	826	NS	895	NS	931	NS
6	D-Mannitol	NS	642	NS	1198	NS	1310	NS	1006	NS	738	NS
7	Amaranth	0.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
8	Erythrosine	0.1	0.000513	0.0	0.000601	0.0	0.00128	0.0	0.00235	0.0	0.00173	0.0
9	Allura red AC	7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10	New coccine	4	0.00194	0.0	0.00213	0.0	0.00580	0.0	0.00608	0.0	0.00491	0.0
11	Phloxine		0		0		0		0		0	
12	Rose bengale		0		0		0		0		0	
13	Acid red		0		0		0		0.0000959		0.000129	
14	Tartrazine	7.5	0.000497	0.0	0.000140	0.0	0.000520	0.0	0.000671	0.0	0.000837	0.0
15	Sunset yellow FCF	2.5	0.0000903	0.0	0	0.0	0.0000867	0.0	0.000128	0.0	0.000161	0.0
16	Fast green FCF	25	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
17	Brilliant blue FCF	12.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
18	Indigo carmine	5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
19	Titanium dioxide	NL	0	NL	0	NL	0	NL	0	NL	0	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		0		0		0		0	
22	Sulfurous acid	0.7 (G)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
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	11.9	0.9
25	Dehydroacetic acid		0		0		0		0		0	
26	Isobutyl <i>p</i> -hydroxybenzoate		0		0		0		0		0	
27	Isopropyl <i>p</i> -hydroxybenzoate		0		0		0		0		0	
28	Ethyl <i>p</i> -hydroxybenzoate	10 (G)	0.0342	0.0	0.0597	0.0	0.112	0.0	0.0759	0.0	0.0410	0.0
29	Butyl <i>p</i> -hydroxybenzoate		0.137		0.311		0.448		0.177		0.150	
30	Propyl <i>p</i> -hydroxybenzoate	10 (G)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
31	Propionic acid	NL (G)	1.01	NL	1.37	NL	1.65	NL	2.30	NL	1.82	NL
32	EDTA	2.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
33	Erythorbic acid	NS	0.144	NS	0.192	NS	0.249	NS	0.167	NS	0.0769	NS
34	Isopropyl citrate	14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

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35	L-Cysteine		44.1		63.3		71.5		98.1		80.8	
36	Butylated hydroxytoluene (BHT)	0.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
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		0.224		0.314		0.348		0.264		0.288	
39	d- γ -Tocopherol		5.35		8.06		11.34		8.16		7.68	
40	d- δ -Tocopherol		1.80		2.03		3.05		2.98		2.47	
41	Butylated hydroxyanisole (BHA)	0.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
42	Propyl gallate	1.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
43	Nitrite	0.06 (G)	0.110	11.5	0.342	15.4	0.203	6.0	0.339	9.6	0.352	11.0
44	Nitrate	3.7 (G)	129	218.5	220	160.1	239	114.8	289	133.1	253	128.4
45	Imazaryl		0		0		0		0		0	
46	<i>o</i> -Phenylphenol	0.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
47	Diphenyl	0.05	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
48	Thiabendazole	0.1	0.000493	0.0	0.000603	0.0	0.000718	0.0	0.001070	0.0	0.000895	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)	8.37	NS	12.1	NS	26.3	NS	28.2	NS	23.3	NS
52	Disodium 5'-uridyate	NS (G)	1.02	NS	1.20	NS	1.38	NS	1.22	NS	0.988	NS
53	Disodium 5'-guanylate	NS (G)	1.54	NS	2.23	NS	2.87	NS	3.63	NS	2.46	NS
54	Glycine		136		209		279		296		270	
55	L-Glutamic acid	NS (G)	924	NS	1342	NS	1770	NS	1900	NS	1640	NS
56	Disodium 5'-cytidylate	NS (G)	0.334	NS	0.306	NS	0.145	NS	0.133	NS	0	NS
57	L-Theanine		7.63		8.57		11.6		21.3		24.5	
58	L-Isoleucine		101		153		189		199		206	
59	L-Tryptophan		17.6		27.7		26.2		35.7		28.6	
60	L-Threonine		69.1		107		119		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		52.6		80.2		101		95.4		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	0.0	0	0.0	0	0.0	0	0.0	0	0.0
68	L-Ascorbyl palmitate	1.25 (G)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
69	Thiamine		0.475		0.731		0.716		0.732		0.715	
70	Riboflavin	0.5	1.20	15.1	1.71	9.2	1.65	5.9	1.43	4.9	1.32	4.9

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71	Glycerol	NS (G)	360	NS	604	NS	657	NS	857	NS	907	NS
72	Dimethylpolysiloxane		0.844		0.442		0.380		0.424		0.480	
73	Propylene glycol	25	7.31	1.8	10.6	1.1	13.4	1.0	10.6	0.7	14.7	1.1
74	Adipic acid	5	0.220	0.3	0.700	0.4	1.01	0.4	1.47	0.5	1.80	0.7
75	Citric acid	NL (G)	1483	NL	1897	NL	1820	NL	2056	NL	2189	NL
76	Gluconic acid	NS	73.1	NS	77.2	NS	103	NS	83.3	NS	79.9	NS
77	Succinic acid		123		132		174		193		261	
78	L-Tartaric acid	30 (G)	141	29.6	132	11.9	94.9	5.6	83.1	4.7	74.9	4.7
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	21.3	NS	30.5	NS	33.4	NS	33.4	NS	39.2	NS
82	DL-Malic acid	NS (G)	1078	NS	1397	NS	1373	NS	1699	NS	1724	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	5.70	15.4	6.79	12.1	7.69	13.1	7.98	15.0
86	Iron	0.8	5.73	45.1	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		0		0		0		0	
89	Naringin		0		0		0		0		0	
90	Hesperidine		20.0		25.3		19.6		18.5		22.3	
91	Kojic acid		0		0		0		0		0	
92	L-Asparagine		200		299		263		336		275	
93	L-Glutamine		384		609		625		611		688	
94	L-Arginine		195		285		304		368		355	
95	L-Cystine		1.40		2.00		2.60		3.11		2.80	
96	L-Serine		113		167		188		230		231	
97	L-Hydroxyproline		2.78		4.30		4.97		4.53		3.59	
98	L-Tyrosine		59.5		86.8		87.8		119		112	
99	L-Proline		167		238		247		275		248	
100	L-Leucine		200		294		374		396		411	

NS: Not specified, NL: Not limited, MTDI: Maximum Tolerable Daily Intake, (G): Group ADI.

* The MTDI of orthophosphoric acid is 70 mg as phosphorous and 221 mg as orthophosphoric acid.

* For aluminum, 1 mg as TDI and 7 mg as PTWI (provisional Tolerable Weekly Intake).