

Table 11-1. Concentration (mg/kg) of food additives by food category for younger children (1-6 year olds).

Compound	Group A/B *	1-6 year olds						
		I. Seasonings and beverages	II. Cereals	III. Potatoes, legumes and nuts	IV. Fish/shellfish and meat	V. Fats/oils and milk/milk products	VI. Sugar and confections/savories	VII. Fruits, vegetables, and seaweeds
<b>Food Intake (g)</b>		113.94	153.31	91.57	128.32	205.81	45.14	234.61
Aspartame	A	5	ND	ND	ND	TR	22.33333333	ND
Xylitol	B	ND	ND	ND	ND	ND	370	ND
Glycyrrhizine	B	1.17	ND	0.58	TR	ND	0.68	TR
Sodium saccharin	A	ND	ND	ND	0.6	ND	ND	TR
D-Sorbitol	B	530	320	520	810	20	3770	560
D-Mannitol	B	130	3100	770	50	ND	100	300
Amaranth	A	ND	ND	ND	ND	ND	ND	ND
Erythrosine	A	ND	ND	ND	0.004	ND	ND	ND
Allura red AC	A	ND	ND	ND	ND	ND	ND	ND
New cocchine	A	ND	ND	ND	0.006	ND	ND	0.005
Phloxine	A	ND	ND	ND	ND	ND	ND	ND
Rose bengale	A	ND	ND	ND	ND	ND	ND	ND
Acid red	A	ND	ND	ND	ND	ND	ND	ND
Tartrazine	A	ND	ND	ND	ND	ND	0.011	ND
Sunset yellow FCF	A	ND	ND	ND	ND	ND	0.002	ND
Fast green FCF	A	ND	ND	ND	ND	ND	ND	ND
Brilliant blue FCF	A	ND	ND	ND	ND	ND	ND	ND
Indigo carmine	A	ND	ND	ND	ND	ND	ND	ND
Titanium dioxide	B	ND	ND	ND	ND	ND	ND	ND
$\beta$ -Carotene	B	0.686666667	0.063333333	0.03	0.04	0.213333333	0.37	5.26
Norbixine	A	ND	ND	ND	ND	ND	ND	ND
Sulfurous acid	B	ND	ND	ND	ND	ND	ND	ND
Benzoic acid	A	2.254333333	0.212666667	0.456333333	0.196333333	0.853666667	0.541	0.104333333
Sorbic acid	A	ND	8.71	9.98	80.32	ND	6.62	1.05
Dehydroacetic acid	A	ND	ND	ND	ND	ND	ND	ND
Isobutyl <i>p</i> -hydroxybenzoate	A	ND	ND	ND	ND	ND	ND	ND
Isopropyl <i>p</i> -hydroxybenzoate	A	ND	ND	ND	ND	ND	ND	ND
Ethyl <i>p</i> -hydroxybenzoate	A	0.3	ND	ND	ND	ND	ND	ND
Butyl <i>p</i> -hydroxybenzoate	A	1.2	ND	ND	ND	ND	ND	ND
Propyl <i>p</i> -hydroxybenzoate	A	ND	ND	ND	ND	ND	ND	ND
Propionic acid	B	1.733333333	TR	3.066666667	4.166666667	TR	TR	TR
EDTA	A	ND	ND	ND	ND	ND	ND	ND
Erythorbic acid	A	ND	ND	ND	1.12	ND	ND	ND
Isopropyl citrate	A	ND	ND	ND	ND	ND	ND	ND

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L-Cysteine	B	87	20	162	22	19	12	39
Butylated hydroxytoluene (BHT)	A	ND	TR	ND	ND	ND	ND	TR
d- $\alpha$ -Tocopherol	B	6.71	2.75	2.17	10	8.38	16.7	1.73
d- $\beta$ -Tocopherol	B	0.14	0.34	0.41	NQ	0.29	1.3	NQ
d- $\gamma$ -Tocopherol	B	2.56	2.44	10.9	1.94	12.4	18.9	0.12
d- $\delta$ -Tocopherol	B	2.49	0.88	10.5	NQ	1.22	3.8	NQ
Butylated hydroxyanisole (BHA)	A	ND	TR	ND	ND	ND	ND	TR
Propyl gallate	A	ND	ND	ND	ND	ND	ND	ND
Nitrite	B	ND	ND	1.2	ND	ND	ND	ND
Nitrate	B	11.6	1.7	11.8	2.5	2	17.9	530
Imazaryl	A	ND	ND	ND	ND	ND	ND	ND
<i>o</i> -Phenylphenol	A	ND	ND	ND	ND	ND	ND	ND
Diphenyl	A	ND	ND	ND	ND	ND	ND	ND
Thiabendazole	A	ND	ND	ND	ND	ND	ND	0.0021
L-Aspartic acid	B	426	114	539	200	6	99	213
DL-Alanine	B	578	23	284	848	6	100	240
Disodium 5'-inosinate	B	67.8	ND	ND	5	ND	ND	ND
Disodium 5'-uridylylate	B	6.9	ND	ND	0.6	0.3	2.1	ND
Disodium 5'-guanylylate	B	12.2	ND	ND	0.4	ND	2.1	ND
Glycine	B	236	80	122	547	ND	106	48
L-Glutamic acid	B	5460	201	1030	793	14	531	204
Disodium 5'-cytidylate	B	0.8	ND	ND	0.6	0.5	1.4	ND
L-Theanine	B	45	1.4	12	4	ND	ND	3
L-Isoleucine	B	315	1.1	229	213	2	40	62
L-Tryptophan	B	10	11	112	3	1.4	19	13
L-Threonine	B	249	4	201	13	ND	39	78
L-Valine	B	339	7	338	309	16	83	109
L-Histidine	B	155	8	156	771	4	14	90
L-Phenylalanine	B	308	21	437	241	6	59	84
DL-Methionine	B	87	6	145	182	3	13	17
L-Lysine	B	342	17	604	165	12	45	107
L-Ascorbic acid	B	167	4.1	82.7	47.1	7.7	307	136
L-Ascorbyl stearate	A	ND	ND	ND	ND	ND	ND	ND
L-Ascorbyl palmitate	A	ND	ND	ND	ND	ND	ND	ND
Thiamine	B	0.52	0.92	0.78	0.03	0.39	0.51	0.41
Riboflavin	B	0.76	0.62	1.14	2.56	2.18	0.98	0.4
Glycerol	B	1323.333333	533.333333	853.333333	233.333333	TR	433.333333	TR

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Dimethylpolysiloxane	A	5	ND	3	ND	ND	ND	ND
Propylene glycol	A	25	17	TR	TR	TR	41	TR
Adipic acid	B	ND	1.433333333	ND	ND	ND	ND	TR
Citric acid	B	3206.666667	26.66666667	4536.666667	TR	1563.333333	1913.333333	1236.666667
Gluconic acid	B	214.931	24.34366667	73.914	98.76266667	20.93833333	119.5743333	67.103
Succinic acid	B	720	150	30	ND	73.33333333	ND	ND
L-Tartaric acid	B	ND	56.66666667	ND	143.3333333	303.3333333	330	156.6666667
Lactic acid	B	1213.333333	2383.333333	2283.333333	4396.666667	726.6666667	240	293.3333333
Acetic acid	B	969.6666667	917.6666667	567.6666667	290.3333333	90.33333333	173.6666667	156.6666667
Fumaric acid	B	6.333333333	ND	29.33333333	15.33333333	TR	48.66666667	58.33333333
DL-Malic acid	B	4026.666667	260	1410	190	ND	970	1626.666667
Calcium	B	253.6	197.3	538	400.7	1403	625.4	214.8
Pyrophosphoric acid	A							
Polyphosphoric acid	A							
Metaphosphoric acid	A							
Orthophosphoric acid	A	730	1100	1400	2900	2000	690	660
Aluminum	B	12.04	4.08	2.453333333	3.543333333	0.206666667	23.4	5.923333333
Iron	B	4.606666667	4.8	10.73666667	12.02666667	0.843333333	8.353333333	5.943333333
Magnesium	B	144	241.6	467.2	249	131.7	234.5	159.4
Nordihydroguaiaretic acid	B	ND	ND	ND	ND	ND	ND	ND
Naringin	B	ND	ND	ND	ND	ND	ND	ND
Hesperidine	B	36.42866667	ND	ND	ND	ND	ND	67.706
Kojic acid	B	ND	ND	ND	ND	ND	ND	ND
L-Asparagine	B	81	4	1070	ND	ND	252	345
L-Glutamine	B	ND	3	735	4	ND	79	1330
L-Arginine	B	424	40	722	2.4	ND	74	303
L-Cystine	B	ND	ND	5	ND	ND	ND	4
L-Serine	B	379	20	313	12	1.3	52	146
L-Hydroxyproline	B	6	ND	ND	12	2	3	ND
L-Tyrosine	B	69	21	347	11	9	47	47
L-Proline	B	431	16	251	284	28	73	200
L-Leucine	B	493	34	492	446	27	53	120

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