

Table 11-2. Concentration (mg/kg) of food additives by food category for older children (7-14 year olds).

Compound	Group A/B *	7-14 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
Food Intake (g)		119.43	243.26	147.19	200.31	340.41	46.73	354.99
Aspartame	A	9.333333333	ND	ND	ND	TR	25.33333333	ND
Xylitol	B	10	ND	ND	ND	ND	340	ND
Glycyrrhizine	B	1.91	ND	TR	TR	ND	0.96	TR
Sodium saccharin	A	ND	ND	ND	0.92	ND	ND	TR
D-Sorbitol	B	340	240	310	890	20	3860	490
D-Mannitol	B	180	3890	710	20	ND	90	330
Amaranth	A	ND	ND	ND	ND	ND	ND	ND
Erythrosine	A	ND	ND	ND	0.003	ND	ND	ND
Allura red AC	A	ND	ND	ND	ND	ND	ND	ND
New coccine	A	ND	ND	ND	ND	ND	ND	0.006
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	0.003	ND
Sunset yellow FCF	A	ND	ND	ND	ND	ND	ND	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
β -Carotene	B	1.273333333	0.046666667	0.02	0.04	0.103333333	0.3	4.413333333
Norbixine	A	ND	ND	ND	ND	ND	ND	ND
Sulfurous acid	B	ND	ND	ND	ND	ND	ND	ND
Benzoic acid	A	4.066	0.221333333	0.420333333	0.199666667	1.664666667	0.490333333	0.106
Sorbic acid	A	ND	7.22	6.94	60.88	ND	9.8	1.14
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	0.5	ND	ND	ND	ND	ND	ND
Butyl <i>p</i> -hydroxybenzoate	A	2.6	ND	ND	ND	ND	ND	ND
Propyl <i>p</i> -hydroxybenzoate	A	ND	ND	ND	ND	ND	ND	ND
Propionic acid	B	2.866666667	2.2	TR	2.466666667	TR	TR	TR
EDTA	A	ND	ND	ND	ND	ND	ND	ND
Erythorbic acid	A	ND	ND	ND	0.96	ND	ND	ND
Isopropyl citrate	A	ND	ND	ND	ND	ND	ND	ND

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L-Cysteine	B	130	16	131	25	13	13	41
Butylated hydroxytoluene (BHT)	A	ND	ND	TR	ND	ND	TR	TR
d- α -Tocopherol	B	6.44	2.65	1.69	8.14	8.31	16.7	1.37
d- β -Tocopherol	B	0.12	0.37	0.43	0.1	0.22	1.1	NQ
d- γ -Tocopherol	B	2.29	2.55	10.6	1.28	12.9	19.4	0.14
d- δ -Tocopherol	B	2.12	1	5.73	0.2	1.31	4.4	NQ
Butylated hydroxyanisole (BHA)	A	ND	ND	TR	ND	ND	TR	TR
Propyl gallate	A	ND	ND	ND	ND	ND	ND	ND
Nitrite	B	ND	0.5	1.5	TR	ND	ND	ND
Nitrate	B	10.7	1.4	5.1	3.1	2.3	19.4	606
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	0.0017
L-Aspartic acid	B	571	95	448	198	14	109	216
DL-Alanine	B	857	15	237	806	12	97	253
Disodium 5'-inosinate	B	88.1	ND	ND	7.8	ND	1.4	ND
Disodium 5'-uridylylate	B	8.1	ND	ND	0.6	ND	2.3	ND
Disodium 5'-guanylylate	B	16.3	ND	ND	0.5	ND	3.9	ND
Glycine	B	364	66	100	557	TR	101	52
L-Glutamic acid	B	7200	229	769	866	52	606	264
Disodium 5'-cytidylate	B	0.8	ND	ND	0.7	ND	1.5	ND
L-Theanine	B	43	ND	10	5	ND	ND	3
L-Isoleucine	B	474	3	198	203	2	40	65
L-Tryptophan	B	13	9	110	3	2	20	16
L-Threonine	B	387	5	174	16	1.2	40	80
L-Valine	B	524	9	300	278	14	88	104
L-Histidine	B	226	9	138	817	4	16	74
L-Phenylalanine	B	460	17	369	235	4	62	87
DL-Methionine	B	133	5	132	175	3	15	20
L-Lysine	B	520	19	542	226	14	49	112
L-Ascorbic acid	B	129	2.3	152	42.1	6.1	222	158
L-Ascorbyl stearate	A	ND	ND	ND	ND	ND	ND	ND
L-Ascorbyl palmitate	A	ND	ND	ND	ND	ND	ND	ND
Thiamine	B	0.6	0.93	0.81	0.07	0.32	0.52	0.47
Riboflavin	B	0.96	0.58	0.92	2.52	1.86	1	0.38
Glycerol	B	2016.666667	756.6666667	773.3333333	210	TR	503.3333333	TR

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Dimethylpolysiloxane	A	ND	ND	3	ND	ND	ND	ND
Propylene glycol	A	30	21	ND	TR	TR	40	ND
Adipic acid	B	ND	1.336666667	ND	ND	ND	ND	1.056666667
Citric acid	B	3803.333333	TR	3616.666667	ND	1283.333333	1996.666667	1070
Gluconic acid	B	202.3176667	14.75766667	56.76	88.29333333	NQ	105.1953333	52.219
Succinic acid	B	570	170	33.33333333	ND	53.33333333	ND	ND
L-Tartaric acid	B	ND	70	ND	86.66666667	246.6666667	290	ND
Lactic acid	B	1206.666667	2523.333333	3356.666667	2820	310	286.6666667	320
Acetic acid	B	1515.333333	1105.666667	425	308.3333333	91.66666667	179.3333333	170.6666667
Fumaric acid	B	8	ND	28.66666667	22	TR	38.33333333	54
DL-Malic acid	B	4853.333333	333.3333333	926.6666667	186.6666667	ND	850	1473.333333
Calcium	B	263.3	208.2	472.2	431.4	1133	589.3	206.6
Pyrophosphoric acid	A							
Polyphosphoric acid	A							
Metaphosphoric acid	A							
Orthophosphoric acid	A	880	1100	1200	2900	1600	670	660
Aluminum	B	8.136666667	4.266666667	1.636666667	2.326666667	0.263333333	25.15	4.853333333
Iron	B	5.4	4.57	9.68	11.20333333	0.986666667	9.29	5.443333333
Magnesium	B	197.3	244.2	439.6	251.6	108.1	243.9	150.4
Nordihydroguaiaretic acid	B	ND	ND	ND	ND	ND	ND	ND
Naringin	B	ND	ND	ND	ND	ND	ND	ND
Hesperidine	B	29.60533333	ND	ND	ND	ND	ND	61.23933333
Kojic acid	B	ND	ND	ND	ND	ND	ND	ND
L-Asparagine	B	32	ND	1130	ND	NQ	339	319
L-Glutamine	B	ND	ND	773	3	ND	105	1380
L-Arginine	B	565	26	650	2.1	1.1	104	308
L-Cystine	B	ND	ND	3	ND	ND	ND	4
L-Serine	B	555	20	254	13	2	52	149
L-Hydroxyproline	B	6	ND	ND	13	3	4	ND
L-Tyrosine	B	103	18	300	10	7	57	53
L-Proline	B	572	17	201	251	26	73	206
L-Leucine	B	760	33	393	433	23	50	113

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