

Additional Information on Test Result on Nutritional Composition of 14 Infant Formulae Included in the Preliminary Study

The Centre for Food Safety conducted further nutrient testing on selected infant formulae included in the preliminary study. Kindly note that information provided below supersedes related data found in the attached table on page 2-3.

Iodine Content in Infant Formulae

Updated on 10-8-2012

Product Name	Iodine Content based on Declared Energy Value (mcg/100kcal)
Wakodo 和光堂初生嬰兒奶粉	1.7 [#]
Wakodo 和光堂初生嬰兒奶粉 (2 nd Batch)	2.1 [#]
Morinaga 森永初生嬰兒奶粉	3.9 [#]
Morinaga 森永初生嬰兒奶粉 (2 nd Batch)	3.9 [#]
Friso Gold Infant Formula 1	12.4
Gillbert Laboratories Physiolac Infant Milk 1	10.5

Remark:

[#] Risk assessment showed health concern.

Updated on 16-8-2012

Product Name	Iodine Content based on Declared Energy Value (mcg/100kcal)
Snow Brand Smart Baby 1 Infant Formula with Iron	10.0
Meiji 明治細仔奶粉 (明治初生嬰兒奶粉)	11.1

Biotin Content in Infant Formulae

Updated on 16-11-2012

Product Name	Biotin Content (mcg/100kcal)
Meiji 明治細仔奶粉 (明治初生嬰兒奶粉)	0.81 [*]
Wakodo 和光堂初生嬰兒奶粉	0.68 [*]

Remark :

^{*} Below Codex Standard. Risk assessment showed that according to the feeding suggestion on the label, biotin intake will be lower than the recommended intake suggested by the World Health Organization (i.e. 5 ug per day).

Test Result on Nutritional Composition of 14 Infant Formulae Included in the Preliminary Study

Composition /Nutrient	Unit	Codex standard	Cow & Gate Infant Formula 1	Snow Brand Smart Baby 1 Infant Formula with Iron	Mead Johnson Enfamil A+ Infant Formula with Iron 1	Wakodo(和光堂初生嬰兒奶粉)	Morinaga (森永初生嬰兒奶粉)	Abbott Similac infant formula 1	Wyeth S-26 Gold Infant Formula Milk Powder (1)
Energy	kcal/100g	[60-70kcal /100ml]	500	510	490	510	500	510	500
Protein	g/100kcal	1.8 - 3.0	2.1	2.3	2.3	2.3	2.3	2.2	2.2
Total fat	g/100kcal	4.4 - 6.0	4.9	5.1	4.8	5.2	5.0	5.3	5.3
Linoleic acid	mg/100kcal	300-1400*	860	960	900	780	820	1100	890
alpha-Linolenic acid	mg/100kcal	50 - NS	78	95	77	68	74	110	64
Total carbohydrates	g/100kcal	9.0 - 14.0	12	11	12	11	11	11	12
Vitamin A	ugRE/100kcal	60 - 180	110	100	180	94	89	100	98
Vitamin D3	ug/100kcal	1 - 2.5	1.4	1.9	1.5	1.7	1.6	1.5	1.9
Vitamin E	mg alpha-TE/100kcal	0.5 - 5*	2.5	1.7	2.6	0.92	1.3	3.2	1.7
Vitamin K	ug/100kcal	4 - 27*	8.2	7.3	12	2.8 ¹	4.3	9.5	11
Thiamin	ug/100kcal	60 - 300*	120	80	78	91	66	140	230
Riboflavin	ug/100kcal	80 - 500*	150	270	350	120	180	300	230
Niacin	ug/100kcal	300 -1500*	910	1200	950	1100	700	1100	940
Vitamin B6	ug/100kcal	35 - 175*	78	84	63	67	61	75	110
Vitamin B12	ug/100kcal	0.1 - 1.5*	0.45	0.41	0.44	0.51	0.45	0.48	0.29
Pantothenic acid	ug/100kcal	400 -2000*	470	660	700	510	1000	820	820
Folic acid	ug/100kcal	10 - 50*	27	13	21	17	28	21	37
Vitamin C	mg/100kcal	10 - 70*	16	17	18	12	11	18	13
Biotin	ug/100kcal	1.5 - 10*	4.4	3.5	4.4	<1 ³⁻	1.1 ¹	5.2	4.7
Iron	mg/100kcal	0.45 -NS	1.1	1.4	1.4	1.5	1.6	2.0	1.3
Calcium	mg/100kcal	50 - 140*	73	70	89	80	71	92	70
Phosphorus	mg/100kcal	25 - 100*	51	46	58	50	45	57	43
Magnesium	mg/100kcal	5 - 15*	8.5	7.9	8.8	8.1	9.6	9.1	9.2
Sodium	mg/100kcal	20 - 60	32	24	32	28	27	32	25
Chloride	mg/100kcal	50 - 160	71	55	86	57	55	68	72
Potassium	mg/100kcal	60 - 180	100	90	130	93	100	130	92
Manganese	ug/100kcal	1 - 100*	15	9.1	21	8.5	9.5	26	13
Iodine	ug/100kcal	10 - 60*	15	8.3 ¹⁻	14	1.2 ²⁻	2.4 ²⁻	27	14
Selenium	ug/100kcal	1 - 9*	3.3	1.1	2.2	1.2	1.8	2.2	3.5
Copper	ug/100kcal	35 - 120*	68	75	120	78	74	79	60
Zinc	mg/100kcal	0.5 - 1.5*	0.78	0.62	1.1	0.63	0.67	0.90	0.98
Choline	mg/100kcal	7 - 50*	18	13	20	12	12	14	12
Myo-Inositol	mg/100kcal	4 - 40*	4.9	6.0	9.2	7.0	11	6.1	6.3
L-Carnitine	mg/100kcal	1.2 - NS	1.6	2.7	2.5	1.8	2.5	2.5	2.2

Test Result on Nutritional Composition of 14 Infant Formulae Included in the Preliminary Study

Composition /Nutrient	Unit	Codex standard	Maeil Absolut e Stage 1	Friso gold infant formula 1	Earth's Best Organic Infant Formula with Iron	Meiji (明治 初生嬰兒奶粉)	Gilco Icerobalance Milk Powder	Gilbert Laboratoires Physioliac Infant milk 1	Nestle NAN HA 1
Energy	kcal/100g	[60-70kcal /100ml]	500	510	510	500	510	500	510
Protein	g/100kcal	1.8 - 3.0	2.4	2.1	2.3	2.4	2.4	2.2	2.4
Total fat	g/100kcal	4.4 - 6.0	4.8	5.2	5.2	4.9	5.1	5.0	5.1
Linoleic acid	mg/100kcal	300-1400*	1300	680	1100	890	820	1200	780
alpha-Linolenic acid	mg/100kcal	50 - NS	120	77	81	87	120	94	76
Total carbohydrates	g/100kcal	9.0 - 14.0	12	11	11	12	11	12	11
Vitamin A	ugRE/100kcal	60 - 180	91	120	120	99	94	70	110
Vitamin D3	ug/100kcal	1 - 2.5	1.9	2.1	1.8	1.4	2.1	2.4	1.2
Vitamin E	mg alpha-TE/100kcal	0.5 - 5*	1.4	2.4	2.4	1.5	1.3	2.1	1.7
Vitamin K	ug/100kcal	4 - 27*	8.7	7.7	9.0	2.1 ¹	5.4	8.1	6.4
Thiamin	ug/100kcal	60 - 300*	97	120	190	88	160	77	130
Riboflavin	ug/100kcal	80 - 500*	280	130	270	150	220	230	230
Niacin	ug/100kcal	300 -1500*	1300	800	1500	590	950	1200	880
Vitamin B6	ug/100kcal	35 - 175*	70	59	120	58	59	63	63
Vitamin B12	ug/100kcal	0.1 - 1.5*	0.85	0.36	0.49	0.35	0.39	0.48	0.51
Pantothenic acid	ug/100kcal	400 -2000*	1200	710	580	410	490	1000	320 ¹
Folic acid	ug/100kcal	10 - 50*	41	24	24	27	24	21	22
Vitamin C	mg/100kcal	10 - 70*	8.2 ¹	15	13	17	12	13	15
Biotin	ug/100kcal	1.5 - 10*	5.8	2.6	4.7	<1 ³⁻	1.3 ¹	2.7	2.4
Iron	mg/100kcal	0.45 -NS	1.3	1.1	2.0	1.4	1.5	0.93	0.80
Calcium	mg/100kcal	50 - 140*	67	84	77	75	76	100	67
Phosphorus	mg/100kcal	25 - 100*	49	51	53	47	54	77	40
Magnesium	mg/100kcal	5 - 15*	9.5	9.5	12	8.5	7.8	11	6.5
Sodium	mg/100kcal	20 - 60	24	33	27	23	26	31	29
Chloride	mg/100kcal	50 - 160	66	68	78	58	75	77	74
Potassium	mg/100kcal	60 - 180	89	100	96	93	91	96	91
Manganese	ug/100kcal	1 - 100*	15	8.3	23	5.9	3.0	9.5	21
Iodine	ug/100kcal	10 - 60*	13	9.6 ¹⁻	11	8.1 ¹⁻	12	8.6 ¹⁻	19
Selenium	ug/100kcal	1 - 9*	1.2	2.3	4.4	2.2	2.5	3.0	2.3
Copper	ug/100kcal	35 - 120*	70	70	82	65	77	59	73
Zinc	mg/100kcal	0.5 - 1.5*	0.89	0.98	1.1	0.71	0.70	1.1	0.94
Choline	mg/100kcal	7 - 50*	14	16	18	11	10	18	9.7
Myo-Inositol	mg/100kcal	4 - 40*	12	5.5	4.7	20	7.8	6.7	6.0
L-Carnitine	mg/100kcal	1.2 - NS	3.1	2.6	1.4	2.4	2.0	4.4	2.5

Note: NS= Not specified * Guidance upper level

Remark:

1. Below Codex standard, but risk assessment did not show health concern.
2. Risk assessment showed health concern.
3. No measured value for risk assessment, need re-testing.

~ Please refer to updated information on page 1.