

## 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 <sup>1</sup>	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 <sup>3</sup>	1.1 <sup>1</sup>	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 <sup>1</sup>	14	1.2 <sup>2</sup>	2.4 <sup>2</sup>	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 Absolute Stage 1	Friso gold infant formula 1	Earth's Best Organic Infant Formula with Iron	Meiji (明治 初生嬰兒奶粉)	Glico Ibero Balance Milk Powder	Gilbert Laboratoires Physiolac 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-Linoleic 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 <sup>1</sup>	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 <sup>1</sup>
Folic acid	ug/100kcal	10 - 50*	41	24	24	27	24	21	22
Vitamin C	mg/100kcal	10 - 70*	8.2 <sup>1</sup>	15	13	17	12	13	15
Biotin	ug/100kcal	1.5 - 10*	5.8	2.6	4.7	<1 <sup>3</sup>	1.3 <sup>1</sup>	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 <sup>1</sup>	11	8.1 <sup>1</sup>	12	8.6 <sup>1</sup>	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.