

**Test Result on Nutritional Composition of 21 Infant Formulae (28 December 2012)**

Composition / Nutrient	Unit	Codex Standard	Beingmate Newborn Formula 1	Bellamy's Organic Infant Formula	Cow & Gate Pepti-Junior	Friso Frisolac Gold Infant Formula 1	Glico 固力果 ICREO細仔奶粉 [盒裝]	HiPP Organic First Infant Milk 1
Energy	kcal/100g	[60 - 70 kcal / 100ml]	500	510	520	510	520	510
Protein	g/100kcal	1.8 - 3.0	2.6	2.5	2.7	2.1	2.3	2.2
Total fat	g/100kcal	4.4 - 6.0	4.8	5.0	5.3	5.0	5.3	4.9
Linoleic acid	mg/100kcal	300 - 1400*	1000	920	690	630	690	800
alpha-Linolenic acid	mg/100kcal	50 - NS	83	51	110	77	110	98
Total carbohydrates	g/100kcal	9.0 - 14.0	12	11	10	12	11	12
Vitamin A	ugRE/100kcal	60 - 180	93	93	80	120	70	110
Vitamin D3	ug/100kcal	1 - 2.5	1.8	1.9	2.1	2.3	2.0	2.5
Vitamin E	mg alpha-TE / 100kcal	0.5 - 5*	2.8	1.6	2.0	2.1	1.2	1.1
Vitamin K	ug/100kcal	4 - 27*	15	8.0	6.8	8.7	4.8	8.9
Thiamin	ug/100kcal	60 - 300*	140	130	100	110	150	120
Riboflavin	ug/100kcal	80 - 500*	290	370	170	140	240	300
Niacin	ug/100kcal	300 - 1500*	880	1100	670	740	990	610
Vitamin B6	ug/100kcal	35 - 175*	130	110	58	71	55	62
Vitamin B12	ug/100kcal	0.1 - 1.5*	0.96	0.43	0.29	0.36	0.45	0.47
Pantothenic acid	ug/100kcal	400 - 2000*	560	720	520	740	970	720
Folic acid	ug/100kcal	10 - 50*	19	15	28	21	23	19
Vitamin C	mg/100kcal	10 - 70*	23	17	13	17	13	21
Biotin	ug/100kcal	1.5 - 10*	5.6	4.3	4.4	3.6	1.5	3.2
Iron	mg/100kcal	0.45 - NS	0.91	1.3	1.1	1.0	1.5	0.76
Calcium	mg/100kcal	50 - 140*	79	72	66	81	74	82
Phosphorus	mg/100kcal	25 - 100*	55	61	44	51	55	58
Magnesium	mg/100kcal	5 - 15*	7.6	8.5	6.6	9.1	7.7	8.7
Sodium	mg/100kcal	20 - 60	22	29	24	37	25	32
Chloride	mg/100kcal	50 - 160	50	79	55	68	74	58
Potassium	mg/100kcal	60 - 180	140	100	91	120	100	120
Manganese	ug/100kcal	1 - 100*	15	6.1	68	23	2.0	13
Selenium	ug/100kcal	1 - 9*	1.5	2.2	1.9	3.5	2.2	2.1
Copper	ug/100kcal	35 - 120*	68	63	60	67	77	66
Zinc	mg/100kcal	0.5 - 1.5*	0.97	0.66	0.85	0.95	0.70	0.86
Choline	mg/100kcal	7 - 50*	16	12	16	25	8.6	12
Myo-Inositol	mg/100kcal	4 - 40*	13	6.9	4.6	6.2	7.4	7.0
L-Carnitine	mg/100kcal	1.2 - NS	4.0	3.3	3.8	3.5	3.5	4.7

Note: NS = Not Specified \* Guidance Upper Level

<sup>1</sup>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 21 Infant Formulae (28 December 2012)**

Composition / Nutrient	Unit	Codex Standard	HiPP Organic Hungry Infant Milk 2	Karihome Goat Infant Formula with Iron 1 (400g)	Maeil Absolute Stage 2	Meiji 明治 旅行粒裝奶粉 (5袋裝)	Neoangelac Plus Infant Formula 1 (Acidified)
Energy	kcal/100g	[60 - 70 kcal / 100ml]	490	500	510	500	500
Protein	g/100kcal	1.8 - 3.0	2.5	2.0	2.6	2.1	2.2
Total fat	g/100kcal	4.4 - 6.0	4.6	4.9	4.9	4.9	5.0
Linoleic acid	mg/100kcal	300 - 1400*	880	620	1000	750	600
alpha-Linolenic acid	mg/100kcal	50 - NS	84	78	77	73	110
Total carbohydrates	g/100kcal	9.0 - 14.0	12	12	11	12	12
Vitamin A	ugRE/100kcal	60 - 180	86	90	100	94	91
Vitamin D3	ug/100kcal	1 - 2.5	2.4	2.0	1.9	1.6	2.4
Vitamin E	mg alpha-TE / 100kcal	0.5 - 5*	1.7	3.8	1.5	1.3	1.6
Vitamin K	ug/100kcal	4 - 27*	10	12	9.0	4.0	9.7
Thiamin	ug/100kcal	60 - 300*	130	150	110	89	86
Riboflavin	ug/100kcal	80 - 500*	280	290	360	170	280
Niacin	ug/100kcal	300 - 1500*	960	1200	1500	620	780
Vitamin B6	ug/100kcal	35 - 175*	110	53	96	59	67
Vitamin B12	ug/100kcal	0.1 - 1.5*	0.48	0.32	1.4	0.46	0.29
Pantothenic acid	ug/100kcal	400 - 2000*	650	720	1300	910	410
Folic acid	ug/100kcal	10 - 50*	32	17	39	25	45
Vitamin C	mg/100kcal	10 - 70*	14	17	14	18	36
Biotin	ug/100kcal	1.5 - 10*	3.7	5.5	7.1	0.74 <sup>1</sup>	5.7
Iron	mg/100kcal	0.45 - NS	0.81	1.3	1.2	1.3	1.6
Calcium	mg/100kcal	50 - 140*	120	110	74	72	77
Phosphorus	mg/100kcal	25 - 100*	80	72	56	46	53
Magnesium	mg/100kcal	5 - 15*	8.3	8.4	9.4	8.8	11
Sodium	mg/100kcal	20 - 60	32	31	27	26	34
Chloride	mg/100kcal	50 - 160	70	120	59	57	63
Potassium	mg/100kcal	60 - 180	110	140	95	110	110
Manganese	ug/100kcal	1 - 100*	11	18	17	4.5	15
Selenium	ug/100kcal	1 - 9*	2.9	2.0	1.3	2.2	2.7
Copper	ug/100kcal	35 - 120*	54	77	64	69	82
Zinc	mg/100kcal	0.5 - 1.5*	0.92	0.91	0.79	0.70	0.88
Choline	mg/100kcal	7 - 50*	14	17	15	11	13
Myo-Inositol	mg/100kcal	4 - 40*	8.0	4.4	14	20	28
L-Carnitine	mg/100kcal	1.2 - NS	3.0	2.8	4.0	4.0	11

Note: NS = Not Specified \* Guidance Upper Level

<sup>1</sup>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 21 Infant Formulae (28 December 2012)**

Composition / Nutrient	Unit	Codex Standard	Neocate LCP	Nestle AL110 Lactose-free Infant Formula	Nestle NAN PRO Advanced Formula 1	Nutricia Karicare Gold + Infant Formula 1	OZ Kids Infant Formula 1
Energy	kcal/100g	[60 - 70 kcal / 100ml]	490	490	510	500	500
Protein	g/100kcal	1.8 - 3.0	3.0	2.2	2.1	2.1	2.6
Total fat	g/100kcal	4.4 - 6.0	4.6	4.5	4.9	4.7	4.8
Linoleic acid	mg/100kcal	300 - 1400*	740	940	850	760	810
alpha-Linolenic acid	mg/100kcal	50 - NS	64	89	85	59	70
Total carbohydrates	g/100kcal	9.0 - 14.0	12	13	12	12	12
Vitamin A	ugRE/100kcal	60 - 180	110	94	82	94	93
Vitamin D3	ug/100kcal	1 - 2.5	1.8	1.5	1.5	2.0	2.0
Vitamin E	mg alpha-TE / 100kcal	0.5 - 5*	1.6	2.0	2.1	2.3	1.8
Vitamin K	ug/100kcal	4 - 27*	7.0	8.7	8.1	9.5	12
Thiamin	ug/100kcal	60 - 300*	110	110	130	120	190
Riboflavin	ug/100kcal	80 - 500*	140	120	260	200	340
Niacin	ug/100kcal	300 - 1500*	1200	1300	1200	810	1200
Vitamin B6	ug/100kcal	35 - 175*	120	77	74	70	120
Vitamin B12	ug/100kcal	0.1 - 1.5*	0.36	0.34	0.29	0.45	0.74
Pantothenic acid	ug/100kcal	400 - 2000*	860	1100	1100	640	1100
Folic acid	ug/100kcal	10 - 50*	19	19	22	23	33
Vitamin C	mg/100kcal	10 - 70*	18	18	13	15	21
Biotin	ug/100kcal	1.5 - 10*	7.5	3.4	2.3	5.4	5.4
Iron	mg/100kcal	0.45 - NS	1.3	1.0	0.94	1.1	1.3
Calcium	mg/100kcal	50 - 140*	92	85	58	66	92
Phosphorus	mg/100kcal	25 - 100*	76	55	41	47	82
Magnesium	mg/100kcal	5 - 15*	5.4	11	9.4	8.1	10
Sodium	mg/100kcal	20 - 60	26	35	38	33	37
Chloride	mg/100kcal	50 - 160	59	82	73	76	84
Potassium	mg/100kcal	60 - 180	79	120	100	100	140
Manganese	ug/100kcal	1 - 100*	78	32	20	16	18
Selenium	ug/100kcal	1 - 9*	3.1	1.8	2.8	3.0	2.0
Copper	ug/100kcal	35 - 120*	94	72	81	71	84
Zinc	mg/100kcal	0.5 - 1.5*	0.92	0.85	1.1	0.81	0.92
Choline	mg/100kcal	7 - 50*	11	7.4	7.1	24	11
Myo-Inositol	mg/100kcal	4 - 40*	23	5.3	6.0	6.1	5.1
L-Carnitine	mg/100kcal	1.2 - NS	5.6	2.7	4.3	3.0	3.4

Note: NS = Not Specified \* Guidance Upper Level

<sup>1</sup>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 21 Infant Formulae (28 December 2012)**

Composition / Nutrient	Unit	Codex Standard	Smileygrowth Infant Formula Whey Dominant 1	Symbiotics ImmunoMilk Infant Formula Milk Powder	Topfer Lactana Organic Infant Milk 1	TwoBebes Infant Milk 1	Wyeth Nursoy GOLD Soy Protein Infant Formula Powder
Energy	kcal/100g	[60 - 70 kcal / 100ml]	500	510	500	500	500
Protein	g/100kcal	1.8 - 3.0	2.4	2.3	2.4	2.6	2.8
Total fat	g/100kcal	4.4 - 6.0	4.8	5.0	5.0	4.7	4.9
Linoleic acid	mg/100kcal	300 - 1400*	840	780	810	690	940
alpha-Linolenic acid	mg/100kcal	50 - NS	67	63	77	51	68
Total carbohydrates	g/100kcal	9.0 - 14.0	12	11	11	12	11
Vitamin A	ugRE/100kcal	60 - 180	84	70	93	95	87
Vitamin D3	ug/100kcal	1 - 2.5	2.4	1.8	2.5	2.5	2.2
Vitamin E	mg alpha-TE / 100kcal	0.5 - 5*	3.7	1.7	3.2	1.0	2.2
Vitamin K	ug/100kcal	4 - 27*	12	10	11	8.6	17
Thiamin	ug/100kcal	60 - 300*	110	89	120	140	160
Riboflavin	ug/100kcal	80 - 500*	280	380	390	400	240
Niacin	ug/100kcal	300 - 1500*	930	1000	670	1000	890
Vitamin B6	ug/100kcal	35 - 175*	79	88	63	120	85
Vitamin B12	ug/100kcal	0.1 - 1.5*	0.96	0.54	0.43	0.70	0.32
Pantothenic acid	ug/100kcal	400 - 2000*	880	740	1200	1000	620
Folic acid	ug/100kcal	10 - 50*	26	22	38	14	20
Vitamin C	mg/100kcal	10 - 70*	13	22	18	15	19
Biotin	ug/100kcal	1.5 - 10*	6.7	4.1	3.7	4.3	7.9
Iron	mg/100kcal	0.45 - NS	1.3	1.3	0.82	1.2	1.3
Calcium	mg/100kcal	50 - 140*	77	77	120	110	110
Phosphorus	mg/100kcal	25 - 100*	61	59	89	77	87
Magnesium	mg/100kcal	5 - 15*	11	9.0	13	11	11
Sodium	mg/100kcal	20 - 60	39	34	60	42	26
Chloride	mg/100kcal	50 - 160	90	64	67	73	65
Potassium	mg/100kcal	60 - 180	120	100	160	100	110
Manganese	ug/100kcal	1 - 100*	19	13	29	10	75
Selenium	ug/100kcal	1 - 9*	1.2	1.6	3.7	3.1	2.3
Copper	ug/100kcal	35 - 120*	75	59	77	68	87
Zinc	mg/100kcal	0.5 - 1.5*	1.3	0.68	1.1	1.2	1.0
Choline	mg/100kcal	7 - 50*	12	8.7	33	13	11
Myo-Inositol	mg/100kcal	4 - 40*	6.8	5.9	7.9	9.2	12
L-Carnitine	mg/100kcal	1.2 - NS	5.8	3.9	8.9	6.4	2.6

Note: NS = Not Specified \* Guidance Upper Level

<sup>1</sup>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).