

PRODUCT OF AUSTRALIA INFANT BASE POWDER

STAGE 3

(CODEX compliant)

Offered by **tavi&co**
on behalf of manufacturer

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Company and Storage Information

Product & Company information

The product vendor is an Australian based manufacturer of consumer infant formula.

The product has been blended and manufactured by a reputable Australian Stock Exchange-listed manufacturer based in Victoria, Australia with HAACP, ISO, QMS, GMP and ICCV Halal certifications and applicable licenses for export.

Due to these ingredients being surplus to requirement, the product is offered for sale.

The Base powder is a product of Australia, using high quality European and Australian materials.

The below product is prepared to CODEX standard, which is suitable for multiple markets.

Storage information

- Product is shrink wrapped stored on standard CHET Export Pallets.
- 66 x 500kg (more or less) double-lined, gas flushed sealed bags.



Product Information Sheet

1 Product Name

Stage 3 – Product of Australia Grow Base Powder.

2 Functional Purpose

This product is a base powder that may be used as is or blended with other ingredients. It is generally for use in products for young children from 12 months up to 36 months of ages. It is a Codex Compliant Follow-up formula for young children for use into multiple markets.

3 Legislation

The products comply with:-

1. Codex standard for follow-up formula Codex Stan 156-1987.
It contains the following other nutrients in accordance with section 3.3.2 of the above standard
 - a. Choline
 - b. Manganese
 - c. Copper
 - d. Selenium
 - e. Taurine
 - f. L-carnitine
 - g. Inositol
 - h. Lutein

This product **does not** comply with the FSANZ Standard 2.9.3 – Division 4, formulated supplementary food for young children and as such is not suitable for sale in the Australian and New Zealand market.

4 Regulatory Statements

4.1 Ionising Ray

The products and their ingredients were not subjected to ionising rays.

4.1 Allergens

The product contains Milk and Milk Products, and Soy beans and their products.

4.2 Country of Origin

Made in Australia from imported and, at least, 35% Australian ingredients.

5 Ingredients

Goat Full Cream milk powder (50%) , Lactose, Goat Whey Protein powder (7.6%), Vegetable Oil (Sunflower), Minerals (calcium carbonate, ferric pyrophosphate, zinc oxide, copper gluconate, magnesium hydrogen phosphate, manganese sulphate, potassium iodide, sodium selenite), Acidity Regulator (Potassium hydroxide and or Sodium hydroxide, Sodium citrate), Vitamins (sodium ascorbate, dl- α -tocopheryl acetate, niacinamide , calcium pantothenate, riboflavin, vitamin A acetate, thiamin hydrochloride, pyridoxine hydrochloride, folic acid, vitamin K1, d-biotin, vitamin D3, cyanocobalamin), Choline bitartrate, Taurine, Inositol, L-carnitine, Lutein.

6 Nutritional Information

Parameter	Unit	per 100 kJ	per 100 g
Energy	kJ	100	1960
Protein	g	0.93	18.2
Fat	g	0.96	18.8
Linoleic Acid	g	0.092	1.8
Carbohydrate	g	2.87	56.2
Vitamins			
Vitamin A	IU	77	1500
Vitamin D	IU	15	300
Vitamin E	mg α -TE	0.28	5.4
Vitamin K	μ g	1.5	30
Vitamin B1	μ g	21	420
Vitamin B2	μ g	44	870
Vitamin B6	μ g	17	340
Vitamin B12	μ g	0.066	1.3
Niacin	mg	0.19	3.8
Folic Acid	μ g	4.0	78
Pantothenic Acid	mg	0.17	3.3
Vitamin C	mg	2.8	55
Biotin	μ g	1.1	22
Minerals			
Sodium	mg	12	240
Potassium	mg	51	1000
Copper	μ g	22	430
Magnesium	mg	3.8	74
Iron	mg	0.40	7.9
Zinc	mg	0.23	4.5
Calcium	mg	32	630
Phosphorus	mg	26	500

Parameter	Unit	per 100 kJ	per 100 g
Iodine	µg	5.6	110
Chloride	mg	34	660
Optional Components			
Selenium	µg	0.97	19
Choline	mg	3.7	73
Manganese	µg	7.1	140
Inositol	mg	1.4	28
Taurine	mg	1.6	32
L-Carnitine	mg	0.51	10
Lutein	µg	9.7	190

7 Formulation

An approximate formulation is shown below. Minor variations to the formulation may be necessary to account for seasonal and/or production changes.

Ingredient	g/100 g	Nature	Origin
Goat - Full Cream Milk Powder (AVH)	47 – 53	From goat's milk	Netherlands
Neutraceutical Lactose	35 - 42	From cow's milk	Australia
Goat - WPC55 (AVH)	5 - 10	From goat's milk	Netherlands
Sunflower Oil	1 - 5	From sunflowers	Australia from imported and/or local oils
Sodium Hydroxide 10% or Potassium Hydroxide 10 % ¹ and Trisodium Citrate	<1.5	Processing aid. NaOH used with acid whey and KOH and Trisodium Citrate used with sweet whey	
Calcium Carbonate	<1	May be light or heavy	Imported
Vitamin Premix	<1		Singapore from imported ingredients
Mineral Premix	<0.5		Singapore from imported ingredients

8 Base Powder Specification

8.1 Physical Specification

Description	Specification	Method
pH of solution (at 10%)	6.8 – 7.2	pH meter
Scorched particles per 25g	Max Disc A	IDF 107A/ADPI Bulletin 916
Appearance/color	Light creamy white free flowing powder	DTS FLOD 01.01 95
Flavour and Odour	Good	DTS FLOD 01.01 95
Bulk density (100 taps)	0.48 - 0.52	IDF 134
Oxygen	<3% ²	Residual Oxygen meter

¹ Other strengths of chemical may be used.

²At time of packing. As a guide the residual oxygen level should not exceed 8% for the duration of shelf life. Not included on COA.

8.2 Chemical Specification

	Per 100 g	Min	Max	
Protein (TN x 6.38)	g	17.1	19.3	PROT 01 02.01
Fat	g	17.7	20	FATS 01 12.99
Linoleic Acid	g	1.6	2.0	FAME 02 11.03
Carbohydrate	g	52.8	59.8	Calculation
Ash	g	3.8	4.9	ASHS 01 04.93
Moisture	g	1.6	3.6	MOIS 01 12.99
Vitamin A	IU	1300	2700	VITA 12 05.07
Vitamin B1	mg	0.35	0.75	VITB 01 12.08
Vitamin B2	mg	0.73	1.5	VITB 01 12.08
Niacin	mg	3.2	6.8	VITB 01 12.08
Folate	µg	65	140	FOLA 04 08.08
Vitamin B6	mg	0.29	0.61	VITB 01 12.08
Vitamin B12	µg	1.1	2.3	VIB12 01 05.07
Vitamin C	mg	46	90	VITC 03 06.94
Vitamin D	IU	250	540	VITD 05 01.15
Vitamin E	mgTE	4.5	9	VITE 05 05.07
Vitamin K	µg	25	54	VITK 01 05.07
Pantothenic Acid	mg	2.8	5.9	VIB5 01 05.07
Biotin	µg	19	39	VIB7 01 05.07
Sodium	mg	200	280	MICP 01 04.06
Potassium	mg	840	1200	MICP 01 04.06
Calcium	mg	530	750	MICP 01 04.06
Iodine	µg	95	160	IODI 01 04.93
Iron	mg	6.6	9.4	MICP 01 04.06
Magnesium	mg	62	88	MICP 01 04.06
Phosphorus	mg	420	600	MICP 01 04.06
Zinc	mg	3.8	5.4	MICP 01 04.06
Manganese	µg	120	160	MICP 01 04.06
Copper	µg	360	510	MICP 01 04.06
Chloride	mg	550	790	SAL 07 08.07
Selenium	µg	16	24	ICPM010611
Choline	mg	61	131	CHLN 04 05.07
Taurine	mg	27	57	TAUR 01 06.07
L-Carnitine	mg	9	18	CARN 01 07.11
Inositol	mg	24	50	INOS 02 03.14
Lutein	mcg	160	340	LUTE010616

8.3 Microbiological Specification

Parameter	Units	n	c	m	M	DTS Method
Aerobic Plate Count	Per g	5	2	500	1000	PCFD 04 10.05
Bacillus cereus	Per g	5	0	100		BCFD 04 08.08
Coliforms	Per g	5	0	<3		CEFD 02 05.05
Salmonella ³	Per 25 g	60	0	ND		SMFD 02 05.05
Cronobacter sakazakii ⁴	Per 10 g	30	0	ND		ESAK 03 05.06
Coag positive staph	Per g	5	0	Absent		STFD 04 09.06

n = number of samples to be tested

c = number of samples allowed between m and M m = maximum value that c samples may exceed

M = maximum value that may not be exceeded by any sample

ND= not detected

8.4 Contaminants⁵

Parameter	Units	Minimum	Maximum	DTS Method
Nitrate	mg/kg		50	NITR051210
Nitrite	mg/kg		2	NITR051210
Lead	mg/kg		0.15	ICPM010611
Aluminium	mg/kg		0.5	ICPM010611
Aflatoxin M1	µg/kg		0.5	AFLA020493
Fluoride	ppm		100	SUB002 00.89

9 Shelf Life

The product will have a shelf life of 3 years when stored below 25oC and 65% Relative Humidity in its original sealed packaging.

10 Packaging

Flexible Bulk bags with gas barrier plastic liner. Nominal weight 650kg.

³ Composite sampling may be performed to test as 1 x 1500 g sample. Or other combinations that meets or exceeds the requirements of FSANZ 1.6.1 as it pertains to powdered infant formula.

⁴ Composite sampling may be performed to test as 1 x 300g sample. Or other combinations that meets or exceeds the requirements of FSANZ 1.6.1 as it pertains to powdered infant formula.

⁵ Not included on COA

CERTIFICATE OF ANALYSIS (Lot 1)

Date:	8 November 2017
Product Description:	Product of Australia Grow Base
Product Number:	383/1255802
Manufacture Code:	7261
Manufacture Date:	18 September 2017
Best Before Date:	18 September 2020

Parameter	Unit	Low Limit	High Limit	Result
Protein (TN x 6.38)	g	17.1	19.3	18.0
Fat	g	17.7	20	18.4
Carbohydrate (By Diff)	g	52.8	59.8	56.5
Ash	g	3.8	4.9	4.4
Moisture	g	1.6	3.6	2.7
Vitamin A	IU	1300	2700	2280
Vitamin B1	mg	0.35	0.75	0.57
Vitamin B2	mg	0.73	1.5	1.3
Niacin	mg	3.2	6.8	5.4
Folate	µg	65	140	130
Vitamin B6	mg	0.29	0.61	0.49
Vitamin B12	µg	1.1	2.3	1.4
Vitamin C	mg	46	90	67
Vitamin D	IU	250	540	378
Vitamin E	mg	4.5	9	7.80
Vitamin K	µg	25	54	36
Pantothenic Acid	mg	2.8	5.9	4.2
Biotin	µg	19	39	35
Sodium	mg	200	280	238
Potassium	mg	840	1200	1120
Calcium	mg	530	750	714
Iodine	µg	95	160	150
Iron	mg	6.6	9.4	8.7
Magnesium	mg	62	88	80
Phosphorus	mg	420	600	528
Zinc	mg	3.8	5.4	4.7
Manganese	µg	120	160	148
Copper	µg	360	510	430
Chloride	mg	550	790	760
Selenium	µg	16	24	21
Ca:P		1	2	1.35
Linoleic Acid	g	1.6	2.0	1.87
Choline	mg	61	131	95

Parameter	Unit	Low Limit	High Limit	Result
Taurine	mg	27	57	36
L-Carnitine	mg	9	18	15
Inositol	mg	24	50	40
Lutein	mcg	160	340	293
Bulk Density		0.46	0.52	0.50
Scorched Particles	Per 25 g		Disc A	Disc A
Flavour and Odour				Good
Appearance and Colour				Normal
pH		6.8	7.2	7.2
C.sakazakii	per 300g	Not Detected		Not Detected
Salmonella	per 1500g	Not Detected		Not Detected

Parameter	Units	Specification	Comp ¹
Bacillus cereus	cfu/g	Max 100	<10
Coliforms	MPN/g	< 3	<0.3
Enterobacteriaceae	/g	Absent	Absent
Coagulase positive staph.	per g	Absent per g	Absent
Standard Plate Count	cfu/g	Max 1000	60

¹ Testing done on composite sample only not 5 samples across the run due to small run size.

CERTIFICATE OF ANALYSIS (Lot 2)

Date:	8 February 2018
Product Description:	Product of Australia Grow Base
Product Number:	383/1255802
Manufacture Code:	8005
Manufacture Date:	05 January 2018
Best Before Date:	05 January 2021

Parameter	Unit	Low Limit	High Limit	Result
Protein (TN x 6.38)	g	17.1	19.3	18.1
Fat	g	17.7	20	19.4
Carbohydrate (By Diff)	g	52.8	59.8	55.9
Ash	g	3.8	4.9	4.2
Moisture	g	1.6	3.6	2.4
Vitamin A	IU	1300	2700	2080
Vitamin B1	mg	0.35	0.75	0.53
Vitamin B2	mg	0.73	1.5	1.2
Niacin	mg	3.2	6.8	5.5
Folate	µg	65	140	90
Vitamin B6	mg	0.29	0.61	0.54
Vitamin B12	µg	1.1	2.3	2
Vitamin C	mg	46	90	80
Vitamin D	IU	250	540	444
Vitamin E	mg	4.5	9	6.50
Vitamin K	µg	25	54	42
Pantothenic Acid	mg	2.8	5.9	3.9
Biotin	µg	19	39	22
Sodium	mg	200	280	234
Potassium	mg	840	1200	969
Calcium	mg	530	750	651
Iodine	µg	95	160	110
Iron	mg	6.6	9.4	7.9
Magnesium	mg	62	88	75
Phosphorus	mg	420	600	510
Zinc	mg	3.8	5.4	4.7
Manganese	µg	120	160	138
Copper	µg	360	510	433
Chloride	mg	550	790	600
Selenium	µg	16	24	18
Ca:P		1	2	1.3
Linoleic Acid	g	1.6	2.0	1.7
Choline	mg	61	131	101

Parameter	Unit	Low Limit	High Limit	Result
Taurine	mg	27	57	49
L-Carnitine	mg	9	18	14
Inositol	mg	24	50	42
Lutein	mcg	160	340	238
Bulk Density		0.46	0.52	0.52
Scorched Particles	Per 25 g		Disc A	Disc A / 100g
Flavour and Odour				Good
Appearance and Colour				Normal
pH		6.8	7.2	6.9
C.sakazakii	per 300g	Not Detected		Not Detected
Salmonella	per 1500g	Not Detected		Not Detected

Parameter	Units	Specification	1	2	3	4	5
Bacillus cereus	cfu/g	Max 100	<10	<10	<10	<10	<10
Coliforms	MPN/g	< 3	<0.3	<0.3	<0.3	<0.3	<0.3
Enterobacteriaceae	/g	Absent	Absent	Absent	Absent	Absent	Absent
Coagulase positive staph.	per g	Absent per g	Absent	Absent	Absent	Absent	Absent
Standard Plate Count	cfu/g	Max 1000	140	100	1000	100	100