

BABYGRO

STAGE 1 – INFANT FORMULA

General Description

BABYGRO Stage 1 Infant formula is the product made from the mixing of a wide range of dairy constituents, standardised milk, vegetable oils and vitamins and minerals and the spray drying of the resultant mix. The base powder is manufactured as a standard product and can be customer modified by using a range of dry additions for the bioactive components

Process Conditions

BabyGro Stage 1 Infant Formula is re processed from 600 kg lined hessian bulk bags. The product is repackaged to 900g tins in accordance with Good Manufacturing Process , HACCP and under conditions that comply with State, Federal regulations prescribed for the manufacture of dairy products.

Intended Use

It is an ideal dairy nutrition source for New Born (Up to 6 Months). Consumption is governed by 8.8g per 60 ml water.

Storage and Transport

Baby Gro Stage 1 Infant Formula is a hygroscopic high fat product that possesses the ability to absorb odours. Therefore adequate protection is essential. It is recommended that product is stored at temperatures below 25°C, relative humidity below 65% and in an odour free environment. Stocks should be used in rotation preferably within 24 months of manufacture.

Composition

Composition Per 100g	Specification Per 100 Kj	Suggested Can per	100kj
Energy	2137 - 2100 kJ/100g	N/A	100kj
Protein	12.3 – 14.9%	0.56 – 0.70g	0.63g
Whey Protein : Casein ratio	≥ 1.5	N/A	≥ 1.5
Whey Protein	60% Minimum	N/A	60% Minimum
Total Fat	26.8 – 29.9%	1.22 – 1.4g	1.31g
Free Fat	Max 3%	N/A	N/A
Carbohydrate	49.4 55.1 %	2.3 – 2.6	2.45g
Ash	2.9 – 3.6%	N/A	3.00%
Moisture	Max 3.0%	N/A	N/A
Iron	5.1 – 7.6 mg	0.23 – 0.36 mg	0.295 mg

Chloride	320 – 480 mg/100g	15 – 22 mg	18.5 mg
Magnesium	43 – 65 mg	2.0 – 3.0 mg	2.5 mg
Sodium	152 – 216 mg	7 – 10 mg	8.5 mg
Potassium	546 – 780 mg	25 – 37 mg	31 mg
Selenium	10.5 – 15.7 ug	0.48 – 0.73 ug	0.6 ug
Zinc	3.4 – 4.8 mg	0.15 – 0.22 mg	0.185 mg
Calcium	410 – 570 mg	19 – 27 mg	23 mg
Phosphorous	286 – 408 mg	13-19 mg	16mg
Calcium : Phosphorous	1.0 – 2.0	1.0 – 2.0	1.0 – 2.0
Copper	315 – 450 mg/100g	14.3 0 21.1 mg/100g	17.7 ug
Iodine	60 – 200 ug	2.7 – 9.4 ug	6.05 ug
Manganese	80 – 140 ug	3.6 – 6.6 ug	5.1 ug
Taurine	40 – 60 mg	2 – 3 mg	2.5 mg
Choline	80 – 120 mg	3.6 – 5.6 mg	4.6 mg
Inositol	24 – 36 mg	1.1 – 1.7 mg	1.4 mg
Lutein	Min 30 ug	Min 4.55 ug	4.55 ug
Vitamin A	2175 – 2600 IU	30 – 37 ug RE	33.5 ug RE
Vitamin D	280 – 500 IU	0.32 – 0.59 ug	0.455 ug
Vitamin E as tocopherol	10.5 – 18.9 IU	0.32 – 0.59 mga TE	0.455 mga TE
Vitamin K1	42.0 – 75.6 ug	1.9 – 3.5 ug	2.7 ug
Beta carotene	120 – 216 ug	5.5 – 10.1 ug	7.8 ug
Vitamin C	100 – 180 mg	4.6 – 8.4 mg	6.5 mg
Vitamin B1	835 – 1500 ug	38 – 70 ug	54 ug
Vitamin B2	1110 – 2000 ug	51 – 94 ug	72.5 ug
Vitamin B6	460 – 828 ug	20.9 – 38.8 ug	29.85 ug
Vitamin B12	2.5 – 4.5 ug	0.114 – 0.211 ug	0.1625 ug
Niacin	4.25 – 7.60 mg	193 – 356 ug	274.5 ug
Pantothenic Acid	3.5 – 6.3 mg	159 – 295 ug	227 ug
Folic Acid	100 - 180 ug	4.6 – 8.4 ug	6.5 ug
Biotin	18.0 – 32.0 ug	0.8 – 1.5 ug	1.15 ug
Linoleic Acid	4.5 – 5.8 g	0.2 – 0.27 ug	0.235 ug
Alpha Linolenic Acid	0.43 – 0.55 g	20 – 26 mg	23 mg
Nucleotides	Minimum 30 mg	Minimum 1.37 mg	1.37 mg
GOS	Min 1000 g	Min 45.5 mg	45.5 mg
DHA	Minimum 30 mg	Minimum 1.37 mg	1.37 mg
AA	Minimum 60 mg	Minimum 2.73 mg	2.73 mg
Fatty Acid			
Lauric Acid + Myristic Acid	< 20%	NA	NA
Trans Fatty Acid: Total Fatty Acid	<3%	NA	NA
Erucic Acid: Total Fatty Acid	<1%	NA	NA

Chemical Assesment

Antibiotics	Less than 0.003 µg/g
Lead	Max. 0.12 ppm
Arsenic	Max 0.5 ppm
Aluminium	Max. 0.2 mg/100g
Nitrate	Max. 50 ppm
Nitrite	Max. 2.0 ppm
Artificial Flavour/Sweetener	Not detected
Peroxide Value	Max. 3 meq O2/kg
Melamine	Max 1 ppm

Physical Assesment

ADPI Insolubility	Max. 0.2 ml
Scorched Particles/150 grams	Max. Disc A
Bulk Density (X100)	0.49 - 55 g/ml
Spoon Full	8.7 ± 0.3 grams
Wettability	(40°C) Max 40 seconds

Composition – Ingredient Declaration (as per ANZFS 1.3.3)

Skim Milk Solids, Lactose (From Milk), Vegetable Oils [Contains Soy, Antioxidant (304)], Whey Solids (From Milk, Including Alpha-Lactalbumin), Galacto Oligosaccharides, Emulsifier (322 From Soy), Arachidonic Acid (AA), Milk Fat, Docosahexaenoic Acid (DHA), Choline Bitartrate, Nucleotides (Cytidine Monophosphate, Uridine Monophosphate Disodium Salt, Adenosine Monophosphate, Inosine Monophosphate Disodium Salt, Guanosine Monophosphate Disodium Salt), Taurine, M-Inositol, Lutein. Culture (Bifidus)

Minerals:- Calcium Carbonate, Tri Calcium Phosphate, Potassium Chloride, Magnesium Chloride, Ferrous Sulphate, Zinc Sulphate, Copper Sulphate, Manganese Sulphate, Sodium Selenite, Potassium Iodide.

Vitamins: Sodium Ascorbate, Niacinamide, Vitamin A Acetate, D1 Alpha Tocopherol, Calcium D Pantothenate, Vitamin D3, Thiamine Hydrochloride, Ascorbic Acid. Pyridoxine Hydrochloride, Riboflavin, Beta Carotene, Folic Acid, Vitamin K1, Biotin, Vitamin B12.

Allergen labelling

Dairy, Soy

Country of Origin labelling

Made in Australia from local and Imported Ingredients

Shelf life

2 years

Weight

- 900g Nett
- 925 g Gross

Packaging

Product is processed into tin can in a <5% Oxygen environment with a LLDPE / HDPE over cap applied that is packed in to a shipper carton of 6 units.

Pallet Configuration

- 10 cartons per layer
- 12 layers per pallet

Coding

- Unit
 - Man. Date (YYYY- MM- DD) Use By Date (YYYY - MM-DD) Time Sequential Can Number
- Carton
 - Man. Date (YYYY- MM- DD) Use By Date (YYYY - MM-DD) Sequential carton Number

Microbiological Parameters

Standard Plate Count	Max. 1000 CFU per gram
Thermophiles	Max. 3,000 CFU per gram
Coliforms	Max. 10 CFU per gram
E.coli	Not detected per gram
Staphylococci Coagulase positive	Absent in 1.0 gram
Shigella Absent in 25g	Absent in 25g
Yeast	Max 20 CFU/g
Mould	Max. 20 CFU / gram
Salmonella	Absent in 1500 g
Bacillus cereus	Max. 100 CFU per gram
E. sakazakii	333g sample Not detected per 100g
Listeria	Not detected per 25g
Aflatoxin	M1/B1 Not detected