



PRONUBEN BABY PREMIUM 1

1. Technical specifications.

1.1 Description

Infant Powder Milk, from 0 to 12 months. 900 grams metallic cans with PRONUBEN BABY PREMIUM brand, litographed and a 4.3 grams scoop.

1.2 Quality assurance

PRODUCTOS Y NUTRIENTES PARA BEBES S.L., registered in Spain with number: B-86248713 and in the General Food Health Register with number: 26.014284/M assures that the quality management systems used to manufacture the products under the brand "PRONUBEN BABY".

PRONUBEN BABY PREMIUM infant formula complies with the **Codex Stan** legislation and **FDA 21CFR**.

1.3 Ingredients.

DEMINERALIZED WHEY, VEGETABLE OILS (PALM, RAPESEED, SUNFLOWER AND HIGH-OLEIC SUNFLOWER) SKIMMED MILK, LACTOSE, AND **LESS THAN 2% OF:** GALACTOOLIGOSACCHARIDES, TRISODIUM CITRATE, CALCIUM CITRATE, POTASSIUM CITRATE, MONOCALCIUM PHOSPHATE, CALCIUM CHLORIDE, MAGNESIUM SULFATE, CALCIUM HYDROXIDE, POTASSIUM CHLORIDE, POTASSIUM HYDROXIDE, FERROUS SULPHATE, ZINC SULPHATE, COPPER SULPHATE, MANGANESE SULPHATE, POTASSIUM IODIDE, SODIUM SELENITE, *FISH OIL*, SUNFLOWER LECITHIN, *M. ALPINA OIL*, FRUCTOOLIGOSACCHARIDES, VITAMINS (L-ASCORBIC ACID, RETINYL ACETATE, PHYTOMENADIONE, CHOLECALCIFEROL, D-L-ALPHA-TOCOPHERYLACETATE, CALCIUM D-PANTOTHENATE, RIBOFLAVIN, NICOTINAMIDE, THIAMINE MONONITRATE, PYRIDOXINE HYDROCHLORIDE, D-BIOTIN, FOLIC ACID, CYANOCOBALAMIN), CHOLINE CHLORIDE, TAURINE, INOSITOL, L-CARNITINE, NUCLEOTIDES (CYTIDINE 5' MONOPHOSPHATE, DISODIUM URIDINE 5' MONOPHOSPHATE, ADENOSINE 5' MONOPHOSPHATE, DISODIUM INOSINE 5' MONOPHOSPHATE, DISODIUM GUANOSINE 5' MONOPHOSPHATE), ANTIOXIDANTS (ASCORBYL PALMITATE AND MIX OF TOCOPHEROLS).

CONTAINS: MILK AND FISH INGREDIENTS.

FISH OIL: SOURCE OF DHA

M.ALPINA OIL: SOURCE OF AA

2. Composition.

2.1 Composition per 100g:

	Unit	Per 100g
Energy value	Kj	2084
	kcal	498
Proteins (Nx6,25)	g	10.5
Whey protein	g	6.5
Casein Protein	g	4
Carbohydrates	g	58.9
of which sugars	g	58.9
Lactose	g	56.97
Maltodextrin	g	
Fats	g	24
of which saturated	g	9.41
of which monounsaturated	g	9.84
of which polyunsaturated	g	4.75
of which linoleic acid	mg	4028
of which alpha-linolenic acid	mg	335
Ratio (Linoleic/alpha-linoleinc)		12
ARA (AA)	mg	50
DHA	mg	50
Fiber	g	2
GOS	g	1.8
FOS	g	0.2
MINERALS		
Potassium	mg	525
Calcium	mg	390
Chloride	mg	350
Phosphorus	mg	240
Ratio Calcium/Phosphorus		1.63
Sodium	mg	165
Magnesium	mg	40
Iron	mg	8
Zinc	mg	3.5

Copper	µg	380
Iodine	µg	100
Manganese	µg	50
Selenium	µg	20
VITAMINS		
Vitamin C	mg	100
Vitamin E	IU	3.61
Niacin	µg	3250
Pantothenic acid	µg	3000
Vitamin B2	µg	800
Vitamin A	IU	268.7
Vitamin B1	µg	400
Vitamin B6	µg	350
Folic acid	µg	90
Vitamin K1	µg	35
Biotin	µg	15
Vitamin D	IU	88
Vitamin B12	µg	1
OTHER NUTRIENTS		
Choline	mg	150
Taurine	mg	30
Inositol	mg	50
L-Carnitine	mg	10
Total nucleotides	mg	17.5
Cytidine 5' monophosphate	mg	7
Uridine 5' monophosphate	mg	5
Adenosine 5' monophosphate	mg	2.5
Inosine 5' monophosphate	mg	1.5
Guanosine 5' monophosphate	mg	1.5

2.2 Qualitative and quantitative composition:

	Unidades	Per 100g	Per 100 Kcal	Per 100Kj	Per 100ml (13%)
Energy value	Kj	2084	442	100	271
	kcal	498			65
Proteins (Nx6,25)	g	10.5	2.11	0.50	1.37
Whey protein	g	6.5	1.31	0.31	0.85
Casein Protein	g	4	0.80	0.19	0.52
Carbohydrates	g	58.9	11.83	2.83	7.66
Lactose	g	58.9	11.83	2.83	7.66
Maltodextrin	g	0	0	0	0
Fats	g	24	4.82	1.15	3.12
of which saturated	g	9.41	1.89	0.45	1.22
of which monounsaturated	g	9.84	1.98	0.47	1.28
of which Polyunsaturated	g	4.75	0.95	0.23	0.62
of which linoleic acid	mg	4028	808.77	193.30	523.64
of which alpha-linolenic acid	mg	335	67.26	16.08	43.55
Ratio (Linoleic/alpha-linoleinc)		12:1			
ARA (AA)	mg	50	10.04	2.40	6.50
DHA	mg	50	10.04	2.40	6.50
Fiber	g	2	0.40	0.10	0.26
GOS	g	1.8	0.36	0.09	0.23
FOS	g	0.2	0.04	0.01	0.03
MINERALS					
Potassium	mg	525	105.51	25.19	68.25
Calcium	mg	390	78.31	18.72	50.70
Chloride	mg	350	70.28	16.80	45.50
Phosphorus	mg	240	48.19	11.52	31.20
Ratio Calcium/Phosphorus		1.63:1			
Sodium	mg	165	33.13	7.92	21.45
Magnesium	mg	40	8.03	1.92	5.20
Iron	mg	8	1.61	0.38	1.04
Zinc	mg	3.5	0.70	0.17	0.46
Copper	µg	380	76.3	18.24	49.40

Iodine	µg	100	20.08	4.80	13
Manganese	µg	50	10.04	2,40	6,50
Selenium	µg	20	4.02	0.96	2.60
VITAMINS					
Vitamin C	mg	100	20.08	4.80	13.00
Vitamin E	IU	3.61			
Niacin	µg	3250	652.56	155.97	422.50
Pantothenic acid	µg	3000	602.36	143.97	390
Vitamin B2	µg	800	160.63	38.39	104
Vitamin A	IU	267.03			
Vitamin B1	µg	400	80.31	19.20	52
Vitamin B6	µg	350	70.28	16.80	45.50
Folic acid	µg	90	18.07	4.32	11.70
Vitamin K1	µg	35	7.03	1.68	4.55
Biotin	µg	15	3.01	0.72	1.95
Vitamin D	IU	88			
Vitamin B12	µg	1	0.20	0.05	0.13
OTHER NUTRIENTS					
Choline	mg	150	30.12	7.20	19.50
Taurine	mg	30	6.02	1.44	3.90
Inositol	mg	50	10.04	2.40	6.50
L-Carnitine	mg	10	2	0.48	1.30
Total nucleotides	mg	17.5	3.50	0.84	2.28
Cytidine 5' monophosphate	mg	7	1.4	0.34	0.91
Uridine 5' monophosphate	mg	5	1	0.24	0.65
Adenosine 5' monophosphate	mg	2.5	0.5	0.12	0.33
Inosine 5' monophosphate	mg	1.5	0.3	0.07	0.20
Guanosine 5' monophosphate	mg	1.5	0.3	0.07	0.20

3. Use and preparation.

Step 1	Clean and disinfect
Step 2	Wash your hands with soap and water, and dry with a clean or disposable cloth.
Step 3	Boil some safe water. If using an automatic kettle, wait until the kettle switches off. If using a pan to boil water, make sure the water comes to a rolling boil.
Step 4	Read the instructions on the formula's packaging to find out how much water and how much powder you need. Adding more or less formula than instructed could make infants ill.
Step 5	Taking care to avoid scalds, pour the correct amount of boiled water into a cleaned and sterilized feeding bottle. The water should be no cooler than 70°C, so do not leave it for more than 30 minutes after boiling.
Step 6	Add the exact amount of formula to the water in the bottle.
Step 7	Mix thoroughly by gently shaking or swirling the bottle.
Step 8	Immediately cool to feeding temperature by holding the bottle under cold running tap water, or by placing in a container of cold or iced water. So that you do not contaminate the feed, make sure that the level of the cooling water is below the lid of the bottle.
Step 9	Dry the outside of the bottle with a clean or disposable cloth.
Step 10	Check the temperature of the feed by dripping a little onto the inside of your wrist. It should feel lukewarm, not hot. If it still feels hot, cool some more before feeding.
Step 11	Feed infant.
Step 12	Throw away any feed that has not been consumed within two hours a surface on which to prepare the feed.

Reconstitute the product, put 4,3 g of powder per 30 ml of water.

FEEDING TABLE			
Age	Boiled water	Number of Scoops	Feeds per day
1-2 weeks	60 ml	2	Up to 8
2-4 weeks	90 ml	3	6
1-2 months	120 ml	4	6
2-4 months	150 ml	5	5
4-6 months	280 ml	6	4
6-9 months	210 ml	7	4
9-12 months	240 ml	8	4

Use only the enclosed scoop (scoop weight = 4,3 g approx.).

4. Format.

Metal cans (900 g) food grade with snap and scoop.

5. Storage.

Metal cans (900 g) food grade with snap and scoop. Packed under protective atmosphere.

Keep tightly closed in a cool place. Once the container is opened consume within one month. Package in protective surroundings. We highly recommend the bottle to be carefully prepared before each feeding as well as throwing away the left-over milk.

6. Expiration.

PRONUBEN BABY PREMIUM 1 shelf life is 24 months, please read carefully expiration date printed in the bottom of the tin.

7. Organoleptic, physical and chemical specs, microbiological.

Organoleptic characteristics

Aspect	Homogeneous granular powder
Colour	Homogeneous colour, white to cream
Smell	Typical, without off-smells
Taste	Typical, without off-smells
After reconstitution	Homogeneous, free from lumps

Physical and chemical specifications

Limits

Bulk density	0,4 - 0,5 Kg/l
Moisture	≤4%
Wettability	≤ 45 seconds (informative value, not of rejection)
pH	6,5 - 7,5 (at 10%)
Scorhced particles	A
Solubility index	<1,5 ml

Microbiological requirements

Total plate count	≤ 5.000 cfu/g (n:5)
Enterobacteriacear	Absent/10 g (Hygiene criteria, not of rejection n:10)
Yeast and Moduls	≤100 cfu/g (n:5)
Bacillus cereus	(n:5, c:2, m:50, M:500) cfu/g
Sulphito-reducing Clostridia	< 100 cfu/g
Clostridium perfringens	< 10 cfu/g
Staphylococcus coagulase `	≤ 10 cfu/g (n:5)
Salmonella	Absent/25 g (n:30)
E.Coli	Absent/g (n:5)
Cronobacter sakazakii	Absent/10 g (n:30)
Listeria monocytogenes	Absent/25 g (n:10)

Contaminants requirements

Lead	< 0,02 mg/kg
Cadmium	≤ 0,01 mg/kg
Aflatoxin M1	≤ 0,025 µg/kg (ready to use product)
Sum of dioxins	< 0,1 pg/g wet weight
Sum of dioxins and PCB's like dioxins	< 0,2 pg/g wet weight
Sum of PCB28, PCB52, PCB101, PCB138, PCB153 and PCB180	< 1 ng/g wet weight
Polycyclic aromatic hydrocarbons (benzo(a)pyrene	≤ 1,0 µg/kg
Melamine	≤ 1 mg/kg
Antibiotics	According to MRL EU regulation

8. Residues, pesticides and heavy metals.

The product complies with the EC and FDA regulations regarding residues, toxic and harmful substance.

PRONUBEN BABY® ensures that dehydrated formulas for infants are in conformity with the requirements of Regulation (EC) N° 1881/2006 and amendments in relation to maximum limits of Dioxin and PCBs, polycyclic aromatic hydrocarbons, aflatoxins, melamine, and heavy metals.

PRONUBEN BABY® ensures that dehydrated formulas for infants does not contain hormones or pesticide residues according to the maximum limits set in Directive 2008/97 / EC and Annexes VIII and IX of directive 2006/141 on infant formulas.