INFANT NUTRITION
INFANT FORMULA

„Quality and expertise“ – The key values of AGRANA’s Infant Formula range

Our high quality Austrian Infant Formula has been formulated against our expert knowledge and experience. We are globally recognized as a highly established and reliable contract manufacturer of Infant Formula. We use high quality materials and process against the highest international quality standards to ensure consistency and quality in our nourishing formula.

AGRANA has been producing organic Infant Formula for decades establishing us as one of the most experienced and leading manufacturers. All raw materials are sourced via our well established and certified supply chains.

AGRANA Infant Formula is free from preservatives, artificial flavourings, colorants and cereal protein gluten. AGRANA Infant Formula provides a valuable contribution in baby development.

BABYFOOD PRODUCTION

AGRANA is a producer of both organic and conventional Infant Formula. We provide following products:

INFANT FORMULA, up to 6 months:
  PRE-Formula (additional nutrition to maternal breast milk)
  1st Instant Milk Formula (is a complete source of nutrition but can also be used in addition to maternal breast milk)

FOLLOW-ON FORMULA, from 6 months to 12 months

TODDLER FORMULA, from 12 months on

INFANT FORMULA

Up to 6 months

The amino acids present in our formula are fully adapted to maternal breast milk.

AGRANA provides:

- Standard Infant Formula (organic or conventional)
- Infant Formula Milk with added long-chain polyunsaturated fatty acids (organic or conventional), Prebiotics (Galactooligosaccharides, Fructooligosaccharides), Nucleotides etc.
- Probiotic Infant Formula by enriching the product with a Lactobacillus
PRE-Formula

Lactose is the only source of carbohydrate present in our Pre-Formula, it does not contain any starches. It has been developed as a supplement to maternal breast milk and contains 11% protein; 60% of this derives from Whey protein.

Nutritional value of Pre-Formula:
- Carbohydrate: 57% (thereof Lactose 100%)
- Fat: approx. 27% (thereof unsaturated approx. 67%)
- Protein: approx. 11%
- Energy: 2150 KJ per 100g powder
- Dilution factor: approx. 1:10

1st Instant Milk Formula

1st Instant Milk Formula is a complete source of nutrition for babies aged from 0-6 months. Either Starch or Maltodextrine can be added as additional carbohydrate source. The whey protein content is 60% of the total protein content.

Nutritional value of 1st Instant Milk Formula:
- Carbohydrate: 58% (thereof Lactose 78%, Starch 22%)
- Fat: approx. 27% (thereof unsaturated approx. 45%)
- Protein: approx. 11%

FOLLOW-ON FORMULA (= 2nd Instant Milk Formula)

From 6 months to 12 months.

The whey protein content is 40% of the total protein content and is partially adapted to the amino acid content of maternal breast milk.

Nutritional value of 2nd Instant Milk Formula:
- Carbohydrate: 59% (thereof Lactose 71%, Starch 29%)
- Fat: approx. 25% (thereof unsaturated approx. 64%)
- Protein: approx. 11%

TODDLER FORMULA (= 3rd Instant Milk Formula)

From 12 months of age.

The whey protein content is 30% of the total protein content and is partially adapted to the amino acid content of maternal breast milk. 3rd Instant Milk Formulas usually contain flavours such as Vanilla or Orange.

Nutritional value of 3rd Instant Milk Formula:
- Carbohydrate: 60% (thereof Lactose 40%, rest: Starch and Maltodextrines)
- Fat: approx. 25% (thereof unsaturated approx. 64%)
- Protein: approx. 11%
ORGANIC) PORRIDGES
(ORGANIC) CEREAL – MILK PUDDINGS

AGRANA offers a wide range of porridges and milk puddings for toddlers based on following cereals:

- Wheat
- Barley
- Quinoa
- Durum
- Rice
- Buckwheat
- Spelt
- Millet
- Rye
- Oat
- Corn
- Amaranth

The gentle processing methods in which our cereals undergo ensures superb digestibility of our cereal and milk puddings.

We only use raw materials sourced from selected certified suppliers. We have the ability to guarantee “gluten free” due to the separate production lines on site. All products are available in conventional as well as in organic quality.

Our porridges and puddings can be enriched with both probiotic and prebiotic dietary fibres.
INGREDIENTS - LIST ABOUT RAW MATERIALS - INFANT FORMULA

1) MILK-BASED RAW MATERIALS
   Skimmed milk powder
   Skimmed milk powder ORGANIC
   Partially demineralized - Whey Powder 90%
   Partially demineralized - Whey Powder 90% ORGANIC
   Partially demineralized - Whey Powder 50%
   Partially demineralized - Whey Powder 70% ORGANIC
   Whey protein hydrolysate 80%
   Whey protein concentrate 45-80%
   Lactose
   Lactose ORGANIC
   Caseinate

2) CARBOHYDRATES
   Quemina - pregelatinized Waxy-corn starch
   Quemina - pregelatinized Waxy-corn starch ORGANIC
   AGENAMALT - Maltodextrine DE6 – DE19
   AGENAMALT - Maltodextrine DE19 – DE19 ORGANIC
   Dried Glucose syrup DE20 – DE97
   Dried Glucose syrup DE20 – DE97 ORGANIC
   Dextrose
   Dextrose ORGANIC
   Granulated sugar
   Granulated sugar ORGANIC
   Vanilla aroma
   Fruit powder mixture

3) VEGETABLE OILS ORGANIC
   Formulation - customer dependent
   Rapseed oil
   Palm oil
   Palm olein
   Sunflower oil
   Soja oil
   Coconut oil

4) POLY UNSATURATED FATTY ACIDS - SOURCES
   ARA/DHA oil with phospholipides (LC Pufa’s- egg oil, vegetable oil, fish oil)
   DHA - tuna oil
   DHA - tuna oil encapsulated
   DHA – Alga encapsulated
   ARA - mortierella alpina encapsulated

5) PREBIOTICS
   Galacto-oligosaccharides (GOS)
   Fructo-oligosaccharides (FOS)

6) PROBIOTICS
   Formulation - Customer dependent

7) MINERALS
   Calcium carbonate
   Calcium chloride dihydrate
   Calcium hydrogen phosphate C52-19
   Calcium hydroxide
   Calcium gluconate monohydrate
   β-Tri-calcium phosphate C13-13
   Tri-Calcium phosphate C53-83
   Calcium lactate gluconate
   Tri-Calcium citrate tetrahydrate
   Calcium lactate pentahydrate
   Chromium (III) chloride hexahydrate
   Chromium (III) chloride hexahydrate (5% maltodextrine)
   Iron (II) lactate trihydrate
   Iron (II) lactate dihydrate
   Iron-ll-fumarate
   Iron (III) pyrophosphate
   Iron gluconate
   Iron (II) sulfate
   Iron (II) sulfate heptahydrate
   Iron-zinc-phosphate monohydrate
   Potassium chloride
   Potassium iodide
   Potassium iodide (10% maltodextrine)
   Potassium iodate
   1% potassium iodate (maltodextrine)
   Potassium carbonate
   Potassium hydrogen carbonate
   Di-Potassium hydrogen phosphate
   Tri-Potassium phosphate
   Potassium sulfate
   Tri-Potassium citrate monohydrate
   Copper (II) acetate monohydrate
   Copper (II) oxide
   Copper (II) gluconate
   Copper (II) sulfate anhydrous
   Copper (II) sulfate pentahydrate-cryl.
   Copper (II) sulfate pentahydrate
   Magnesium chloride hexahydrate
   Tri-Magnesium citrate anhydrate
   Magnesium citrate pentahydrate
Tri-Magnesiumdicitrat nonahydrate
Magnesium oxide
Magnesium hydroxide carbonate
Magnesium sulfate
Di-Magnesium phosphate trihydrate
Manganese (II) sulfate monohydrate
Sodium chloride
Sodium chloride (table salt)
Tri-Sodium citrate dihydrate
Sodium iodate
Sodium fluoride
Anhydrous sodium carbonate
Sodium hydrogen carbonate
Sodium dihydrogen phosphate
Di-Sodium hydrogen phosphate
Sodium tri-polyphosphate
Sodium molybdate dihydrate
Sodium molybdate dihydrate (10% maltodextrine)
Ammonium heptamolybdate tetrahydrate
Sodium selenate
Sodium selenite pentahydrate
Sodium selenite (1% maltodextrine)
Sodium selenite
Zinc gluconate
Zinc lactate * 2H2O
Zinc oxide
Zinc sulphate monohydrate
Zinc sulphate heptahydrate

8) VITAMINS
Formulation - Customer dependent
Retinol
Beta- Carotene
Lutein
Vitamin A acetate
Vitamin A palmitate
Coenzyme Q10
Vitamin C
Na-Ascorbate
Ca- Ascorbate
Thiamin
Br- HCl
Br- NO3
Riboflavin
Pyrydoxin

B6- HCl
Cobalamine
Biotin
Pantothenic acid
Vitamin D3
Vitamin E
Vitamin E acetate
Folic Acid
Vitamin K1
Nicotinamide
Niacin
L-Tryptophan
L-Tyrosine
L-Arginine
L-Arginine hydrochloride
L-Histidine
Taurine
L-Phenylalanine
L-Lysine
L-Lysine Hydrochloride
Proline
Choline
Choline chloride
Choline bitartrate
L-Carnitine
L-Carnitine tartrate
L-Cystine
L-Asparagine
L-Asparagine monohydrate
L-Aspartic acid
L-Glutamic acid
L-Leucine
L-Glutamine
L-Valine
L-Isoleucine
M-Inositol

9) NUCLEOTIDES
Formulation - Customer dependent
Adenosine-5-monophosphate
Cytidine-5-monophosphate
Uridine-5-monophosphate
Inosine-5-monophosphate
Guanosine-5-monophosphate
### LOGISTIC DATA SHEET - INFANT FORMULA

**PACKAGE-VERSION/-SIZE (SKU):**

<table>
<thead>
<tr>
<th>BOX:</th>
<th>TIN:</th>
</tr>
</thead>
<tbody>
<tr>
<td>300g (1 aluminium bag, inert gas: nitrogen)</td>
<td>400g (inert gas: nitrogen)</td>
</tr>
<tr>
<td>400g (1 aluminium bag, inert gas: nitrogen)</td>
<td>900g (inert gas: nitrogen)</td>
</tr>
<tr>
<td>500g (1 aluminium bag, inert gas: nitrogen)</td>
<td></td>
</tr>
<tr>
<td>600g (2 aluminium bags, inert gas: nitrogen)</td>
<td>400g (inert gas: nitrogen)</td>
</tr>
<tr>
<td>800g (2 aluminium bags, inert gas: nitrogen)</td>
<td>900g (inert gas: nitrogen)</td>
</tr>
</tbody>
</table>

**Material specification:**

**BAGS:**
- Design: aluminium bags with gusset
- Roll width: 405 mm
- Material: OPA / PE

**TINS:**
- Design: Inside and outside bright - tin, with gassing pimples
- Cover-versions: Easy peel cover-system with plastic cover
- Press cover-system with plastic cover
- Material: tinplate

**CONTENT PER OUTER:**

<table>
<thead>
<tr>
<th>BOX:</th>
<th>TIN:</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 x 300g, 5 x 400g, 5 x 500g, 4 x 600g, 3 x 800g</td>
<td>12 x 400g, 6 x 900g</td>
</tr>
</tbody>
</table>

**CONTENT PER PALLET (PAL):**

<table>
<thead>
<tr>
<th>BOX:</th>
<th>TIN:</th>
</tr>
</thead>
<tbody>
<tr>
<td>300g version – 76 outers, 456 SKUs / PAL</td>
<td>400g version – 40 outers, 480 SKUs / PAL</td>
</tr>
<tr>
<td>400g version – 64 outers, 320 SKUs / PAL</td>
<td>900g version – 54 outers, 324 SKUs / PAL</td>
</tr>
<tr>
<td>500g version – 64 outers, 320 SKUs / PAL</td>
<td></td>
</tr>
<tr>
<td>600g version – 60 outers, 240 SKUs / PAL</td>
<td></td>
</tr>
<tr>
<td>800g version – 68 outers, 204 SKUs / PAL</td>
<td></td>
</tr>
</tbody>
</table>

**NET-WEIGHT PER PALLET:**

<table>
<thead>
<tr>
<th>BOX:</th>
<th>TIN:</th>
</tr>
</thead>
<tbody>
<tr>
<td>300g version – 1,8 kg / outer, 137 kg / PAL</td>
<td>400g version – 4,8 kg / outer, 192 kg / PAL</td>
</tr>
<tr>
<td>400g version – 2,0 kg / outer, 128 kg / PAL</td>
<td>900g version – 5,4 kg / outer, 292 kg / PAL</td>
</tr>
<tr>
<td>500g version – 2,5 kg / outer, 160 kg / PAL</td>
<td></td>
</tr>
<tr>
<td>600g version – 2,4 kg / outer, 144 kg / PAL</td>
<td></td>
</tr>
<tr>
<td>800g version – 2,4 kg / outer, 164 kg / PAL</td>
<td></td>
</tr>
</tbody>
</table>
DIMENSION PER PALLET:

**BOX:**
- 300g version – 98,5 x 80 x 120 cm
- 400g version – 99,7 x 80 x 120 cm
- 500g version – 99,7 x 80 x 120 cm
- 600g version – 99,7 x 80 x 120 cm
- 800g version – 98,5 x 80 x 120 cm

**TIN:**
- 400g version – 77 x 80 x 120 cm
- 900g version – 117 x 80 x 120 cm

DIMENSION PER PACKAGE-VERSION:

**400 g TIN**
- Height: 123 mm
- Diameter: 99 mm

**900 g TIN**
- Height: 169 mm
- Diameter: 125 mm

SPOON – VERSION:

Flexible design for all versions:
- desired colors
- long stem
- flexible or inflexible
- with or without clamping slot
- desired volumes
Possibility of 4 basic colours (CMYK) + 2 spot colours

450 g
126x74x198

| Strana tisku | Printed side | Druck seite | 10004249 |
Possibility of 4 basic colours (CMYK) + 2 spot colours

| Strana tisku | Printed side | Druck seite | 10006166 |
500g BOX

Possibility of 4 basic colours (CMYK) + 2 spot colours

500 G
120x120x201

334
125
126
01
73,5
74
412
35
32
48
50
3
202
201
71,2
71
3,5
4,8
8,7
18
40
3
4,3
4,5
4,9
5,5
3
5
5
4,5
1,5
1,5
1,5
2,1,5

Printed side

Druckseite

Strana tisku
600g BOX

Possibility of 4 basic colours (CMYK) + 2 spot colours

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<tr>
<th>Strana tisku</th>
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<th>Druckseite</th>
<th>Code</th>
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<td>10006165</td>
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Possibility of 4 basic colours (CMYK) + 2 spot colours

<table>
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<tbody>
<tr>
<td></td>
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<td></td>
<td>10006218</td>
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</table>
800g BOX
AGRANA. THE NATURAL UPGRADE.