

# SIMILAC® ISOMIL®

Soy protein-based formula with DHA

For infants 0+ months of age



## INDICATIONS FOR USE

- For infants whose parents wish to provide a non-milk-based formula for health, cultural, or religious reasons.
- For infants with IgE-mediated cow's milk allergy where tolerance to soy has been established.<sup>1,2</sup>
- For infants with lactase deficiency and/or sensitivity to lactose.
- For infants with galactosemia.
- For initial or supplemental feeding of term infants.
- For oral or tube feeding use.

### Safety precaution:

- Not for parenteral use.

## FEATURES AND BENEFITS

- Soy protein-based, cow's milk protein-free.
- DHA, an Omega-3 fatty acid that supports the normal physical development of the brain and eyes.<sup>3</sup>
- Naturally lactose-free.
- Unique blend of carbohydrates digested by separate enzyme systems which may help maximize absorption.<sup>4</sup>
- Growth similar to that of infants fed breast milk or milk-based Similac®.<sup>5†</sup>
- Non-GMO.‡
- Easy to digest.§

## TECHNICAL DATA

	Powder (at standard dilution)
Caloric density (Cal/mL)	0.66
Protein (% of total energy)	10.0
Fat (% of total energy)	48.0
Carbohydrate (% of total energy)	42.0
Total Cal:g nitrogen ratio	251:1
Non-protein Cal:g nitrogen ratio	226:1
Water (g/L)	901
Osmolality (mOsm/kg water)	200
Renal solute load (mOsm/L)	162
Viscosity at room temperature/chilled	-
Minimum tube size for gravity/pump feeding (Fr)	N/A
Low residue	Yes
Gluten-free	Yes
Kosher	Yes
Halal	Yes

## AVAILABILITY

### Powder

05571353      Similac® Isomil®      800-g cans      6/case

† Comparison based on previous formulations of Similac® Step 1 and Similac® Isomil®.

‡ Ingredients not genetically engineered.

§ Similar to other infant formulas.

### REFERENCES:

1. Leung A, Oley A. Canadian Paediatric Society: Nutrition and Gastroenterology Committee. Concerns for the use of soy-based formulas in infant nutrition. *Paediatric Child Health* 2009;14(3):109-13. [Reaffirmed: Feb 25, 2019].
2. Health Canada. Food and Nutrition: Nutrition for Healthy Term Infants: Recommendations from Birth to Six Months. Last modified on 2015-08-18. [Accessed online on 2019-04-26].
3. Canadian Food Inspection Agency: Health Claims – Nutrient Function Claims. Last modified on 2019-02-13. [Accessed online on 2019-04-09].
4. Kerzner B et al. Jejunal absorption of Sucrose (S) and Glucose Oligomers (GO) in the Absence of Pancreatic Amylase (PA). *Pediatr Res* 1983;17:191A.
5. Lasekan JB et al. Growth of Newborn, Term Infants Fed Soy Formulas For 1 Year. *Clin Pediatr* 1999;563-71.

## ENERGY

	Per 100 g Powder	Per 100 mL (at standard dilution)	Per 100 Cal
ENERGY (Cal [kJ])	504.6 (2111.3)	66 (278)	100 (418)
PROTEIN (g)	12.30	1.62	2.44
% of total energy		10.0	
Arginine (mg)	950	120	188
Cystine (mg)	160	20	32
Tyrosine (mg)	480	60	91
Histidine (mg)	330	40	65
Isoleucine (mg)	610	80	121
Leucine (mg)	1030	140	204
Lysine (mg)	790	100	157
Methionine (mg)	240	32	48
Phenylalanine (mg)	650	90	129
Tryptophan (mg)	170	22	34
Threonine (mg)	460	60	91
Valine (mg)	630	80	125
Taurine (mg)	30.6	4.0	6.1
Carnitine (mg)	6.9	0.91	1.37
Nucleotides (mg)	-	-	-
Source		Soy protein isolate	
FAT (g)	26.60	3.50	5.3
% of total energy		48.0	
Polyunsaturated fatty acids (g)	5.6	0.74	1.11
Linoleic acid (g)	3.8	0.50	0.75
Arachidonic acid (ARA) (g)	0.0666	0.0088	0.0132
Linolenic acid (g)	0.304	0.040	0.060
Docosahexaenoic acid (DHA) (g)	0.0507	0.0067	0.0100
Omega-6:Omega-3 ratio		9.1:1	
Monounsaturated fatty acids (g)	11.19	1.14	2.22
Saturated fatty acids (g)	8.68	1.47	1.72
Cholesterol (mg)	0.5	0.1	0.10
Source		High oleic sunflower oil, coconut oil, soy oil, ARA and DHA	
MCT oil (% of total fats)		0.0	
CARBOHYDRATE (g)	54.00	7.10	10.70
% of total energy		42.0	
Total dietary fibre (g)	-	-	-
Short-chain fructooligosaccharides (scFOS) (g)	-	-	-
Galactooligosaccharides (GOS) (g)	-	-	-
Source		Corn syrup, sucrose	
Acesulfame-potassium (mg)	-	-	-
Sucralose (mg)	-	-	-

## VITAMINS

Vitamin A (RE [IU])	459 (1530)	60 (201)	90 (303)
Vitamin D <sub>3</sub> (mcg [IU])	6.5 (259)	1 (34)	1.28 (51)
Vitamin E (IU)	11.3	1.5	2.2
Vitamin K <sub>1</sub> (mg)	0.042	0.0055	0.0083
Vitamin C (mg)	58	7.6	11.5
Thiamine (mg)	0.44	0.06	0.09
Riboflavin (mg)	0.47	0.06	0.09
Niacin (mg)	4.3	0.57	0.85
Vitamin B <sub>6</sub> (mg)	0.27	0.04	0.05
Folic acid (mg)	0.068	0.0089	0.014
Vitamin B <sub>12</sub> (mg)	0.00117	0.00015	0.0002
Pantothenic acid (mg)	3.4	0.45	0.7
Biotin (mg)	0.017	0.0022	0.0034
Choline (mg)	62	8.2	12.3
Inositol (mg)	81	10.7	16.1
Lutein (mg)	-	-	-

## MINERALS

Sodium (mg [mmol])	219 (9.91)	29 (1.30)	43 (1.89)
Potassium (mg [mmol])	520 (14.23)	68 (1.87)	103 (2.64)
Chloride (mg [mmol])	404 (9.0)	53 (1.18)	80 (2.25)
Calcium (mg)	479	63	95
Phosphorus (mg)	342	45	68
Magnesium (mg)	37	4.9	7.3
Iron (mg)	5.2	0.68	1.03
Zinc (mg)	5.4	0.71	1.07
Iodine (mg)	0.068	0.0089	0.014
Copper (mg)	0.321	0.042	0.064
Manganese (mg)	0.27	0.04	0.05
Selenium (mg)	0.0117	0.0015	0.00232
Chromium (mg)	-	-	-
Molybdenum (mg)	-	-	-

## INGREDIENTS

### Similac® Isomil®, Powder:

Corn syrup, soy protein isolate, high oleic sunflower oil, sucrose, coconut oil, soy oil, calcium phosphate, potassium citrate, soy lecithin, sodium chloride, potassium chloride, magnesium chloride, *M. alpina* oil\*, *C. cohnii* oil\*\*, L-methionine, m-inositol, ascorbic acid, choline chloride, taurine, ascorbyl palmitate, L-tryptophan, zinc sulphate, ferrous sulphate, L-carnitine, mixed tocopherols, niacinamide, calcium d-pantothenate, *d*- $\alpha$ -tocopheryl acetate, vitamin A palmitate, riboflavin, thiamine hydrochloride, cupric sulphate, pyridoxine hydrochloride, potassium iodide, folic acid, phyloquinone, sodium selenite, biotin, vitamin D<sub>3</sub>, cyanocobalamin. May contain: Calcium carbonate, potassium phosphate, sodium citrate, manganese sulphate. **Contains: Soy.**

**Ingredients associated with food intolerances and/or sensitivities:** Corn, coconut oil, other soy components.

**Contains no dairy ingredients. Manufactured on dairy equipment.**

\* Source of arachidonic acid (ARA). \*\* Source of docosahexaenoic acid (DHA).

Values listed are subject to change. Please refer to the product label or packaging for the most current ingredient, allergen and nutrient profile information.

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