



FrieslandCampina 

Ingredients

Hyvital[®] Whey Easy-to-Digest 100

product data sheet

Hyvital Whey Easy-to-Digest 100 is a whey protein hydrolysate manufactured under carefully controlled conditions using food-grade enzymes.

Product characteristics

Hyvital Whey Easy-to-Digest 100 is prepared from whey protein concentrate. Hyvital Whey Easy-to-Digest 100 is manufactured under food-grade conditions and complies with FDA food regulations. This product is Halal and is available Kosher.

Hyvital Whey Easy-to-Digest 100 is a predigested whey protein containing a spectrum of peptides and free amino acids. As a predigested protein, it is ideally suited for use in comfort infant formulas.

Application

Easy-to-digest formulas are used for non-specific gastrointestinal problems. Formulas based on mildly hydrolysed whey protein have been shown to reduce crying compared to formulas based on intact protein⁽¹⁻⁴⁾. As such easy-to-digest infant formulas based on predigested proteins can aid in the comfort of a baby.

Packaging

Hyvital Whey Easy-to-Digest 100 is packaged in multi-wall paper bags with a polyethylene liner with a net content of 20kg. Palletised and wrapped to 640kg.

Shelf life and storage conditions

In the original sealed packaging under normal, odour free conditions, temperatures below 25°C, relative humidity below 65%, this product has a shelf life of 5 years.

DOMO[®]

This information is intended for industrial customers only and not intended for consumers.

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Typical analysis*

Chemical

Protein as is (TN x 6.51**)	78.1%
Total Nitrogen (TN)	12.0%
Amino Nitrogen (AN)	2.3%
pH (6% solution)	6.8
Moisture	< 5.0%
Ash	3.3%
Total fat	4.7%
Lactose	2.9%

Microbiological

Standard plate count	max. 5,000 cfu/g
Coliform count	max. 10 cfu/g
Yeast and mould	max. 100 cfu/g
E. coli	none detected in 1g
Salmonella	none detected in 100g

Physical/sensoric

Powder colour	cream to light yellow
Clarity (2% solution)	cloudy
Tapped bulk density	570g/L

Hydrolysis Characteristics Molecular Weight Profile (area %)

> 10,000	10
10,000 - 5,000	4
5,000 - 2,000	10
2,000 - 1,000	12
1,000 - 500	14
< 500	50
Degree of Hydrolysis (DH)	15%
Free Amino Acids	4%

Amino Acid Analysis Measured per 1g of product (in mg)

Alanine	38
Arginine	21
Aspartic acid	81
Cysteine	29
Glutamic acid	133
Glycine	15
Histidine	10
Isoleucine	51
Leucine	80
Lysine	69
Methionine	16
Phenylalanine	25
Proline	48
Serine	33
Theronine	48
Tryptophan	11
Tyrosine	23
Valine	46

Elemental Profile (mg/100g)

Calcium	340
Magnesium	50
Potassium	1,450
Sodium	450
Phosphorus	215

* Please refer to specifications for guaranteed limits.

** Conversion factor calculated as a function of degree of hydrolysis.

References

- Arikan D, et al. Effectiveness of massage, sucrose solution, herbal tea or hydrolysed formula in the treatment of infantile colic. J Clin Nurs. 2008;17(13):1754-1761.
- Jakobsson I, Lindberg T. Cow's milk proteins cause infantile colic in breast-fed infants: a double-blind crossover study. Pediatrics. 1983;71(2):268-271.
- Lothe L, Lindberg T. Cow's milk whey protein elicits symptoms of infantile colic in colicky formula-fed infants: a double-blind crossover study. Pediatrics. 1989;83(2):262-266.
- Lucassen PL, et al. Infantile colic: crying time reduction with a whey hydrolysate: A double-blind, randomized, placebocontrolled trial. Pediatrics. 2000;106(6):1349-1354.

Potential consumer benefits are not to be considered as health claims. They should be considered as potential leads that might be developed into health claims complying with the local legal requirements.

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