



FrieslandCampina 

Ingredients

Hyvital[®] Whey CMA 500

product data sheet

Hyvital Whey CMA 500 is a whey hydrolysate manufactured under carefully controlled conditions using food-grade enzymes. The product is intended for formulas for infants with existing cow's milk allergy.

Product characteristics

Hyvital Whey CMA 500 is prepared from whey protein concentrate. It is manufactured under food-grade conditions and complies with FDA food regulations. This product is Halal.

Hyvital Whey CMA 500 shows a reduction in antigenic properties in ELISA of 10^5 compared to intact whey protein, combined with a low level of free amino acids. It passed the USP guinea pig allergy test.

Application

Hyvital Whey CMA 500 is specifically designed for use in hypo-allergenic infant formula where a reduction in antigenic properties is needed.

Packaging

Hyvital Whey CMA 500 is packaged in a multi-wall paper bag with a polyethylene liner with a net content of 20kg. Palletised/wrapped to units of 640kg.

Shelf life and storage conditions

In the original sealed packaging under normal, odour free conditions, temperatures below 25°C, relative humidity below 65%, Hyvital Whey CMA 500 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 6.57**)	81.4%
Total Nitrogen (TN)	12.4%
Amino Nitrogen (AN)	3.1%
pH (6% solution)	6.0
Moisture	< 5.0%
Ash	4.7%
Total fat	<0.1%
Lactose	< 3%

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 tan
Clarity (2% solution)	clear

Hydrolysis Characteristics Molecular Weight Profile (area %)

> 10,000	0
10,000 - 5,000	0
5,000 - 2,000	3
2,000 - 1,000	10
1,000 - 500	18
< 500	69
Degree of Hydrolysis (DH)	22
Free Amino Acids	3%
ELISA (typical reduction compared to intact whey protein)	10 ⁵
Passes USP guinea pig allergy test	yes

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

Alanine	43
Arginine	20
Aspartic acid	92
Cysteine	23
Glutamic acid	152
Glycine	16
Histidine	8
Isoleucine	48
Leucine	78
Lysine	76
Methionine	16
Phenylalanine	23
Proline	51
Serine	35
Theronine	52
Tryptophan	7
Tyrosine	21
Valine	46

Elemental Profile (mg/100g)

Calcium	475
Magnesium	55
Potassium	1,100
Sodium	1,400
Phosphorus	250
Chloride	180

* Please refer to specifications for guaranteed limits.

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

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