



Hilmar 8000 Whey Protein Concentrate

Hilmar 8000 is a highly functional 80% whey protein concentrate ideal for a variety of food and nutritional applications. It is derived from fresh, sweet dairy whey processed by a special cross-flow filtration process.

FEATURES / BENEFITS

- Good Emulsification
- Egg Replacement
- Minimal Carbohydrate Levels
- Low Glycemic Index
- High Acid Solubility/ Stability
- Bland Flavor Profile
- High Digestibility
- Superior Protein Source
- Excellent Amino Acid Profile
- Low Mineral Content
- Non-GMO (our products are not manufactured with genetically engineered components)

FOOD SAFETY & CERTIFICATION

- Produced in a GFSI-Certified Facility
- Kosher  and Halal Certified
- EU Compliant
- FDA Registered
- Made with milk from cows not treated with rBST*
- Made in the USA

NUTRITIONAL VALUES

Composition	Typical	Specification	Test Method
Protein (% dry basis)	83.4	80.0 min	Calculation
Protein (% as is)	79.2	77.5 min	AOAC
Lactose (%)	5.5		AOAC
Fat (%)	4.5	7.0 max	AOAC
Moisture (%)	5.0	5.5 max	AOAC
Ash (%)	2.5	4.0 max	AOAC
pH	6.2	6.0 - 6.8	10% Sol. At 20°C

Microbiology	Specification	Test Method
APC (CFU/g)	10,000 max	AOAC
Coliforms (CFU/g)	<10	AOAC
<i>E. Coli</i> (CFU/g)	<10	AOAC
Salmonella (750g)	Negative	AOAC
Yeast (CFU/g)	50 max	AOAC
Mold (CFU/g)	50 max	AOAC
Coagulase Positive Staph (CFU/g)	<10	AOAC
Listeria (25g)	Negative	AOAC

Other Nutritional Information	Typical
Cholesterol (mg/100g)	220
Total Calories (Kcal/100g)	385
Biological Value (BV)	104
PDCAAS	1
Protein Efficiency Ratio (PER)	3.2
Net Protein Utilization (NPU)	92
Protein Digestibility	95

MINERALS	Typical
Sodium (mg/100g)	175
Calcium (mg/100g)	550
Potassium (mg/100g)	530
Phosphorus (mg/100g)	350
Magnesium (mg/100g)	60
Chloride (mg/100g)	125
Iron (mg/100g)	0.8

*No significant difference has been shown between milk derived from rBST-treated and non-rBST-treated cows.



PHYSICAL CHARACTERISTICS

Hilmar 8000 is a spray-dried, cream-colored powder with a bland flavor profile. It is homogeneous, free flowing and non-caking.

PACKAGING

44.09 lb. (20 kg) heat-sealed, multi-wall kraft bag with inner polyethylene bag liner. Twenty-four bags per pallet.

1000 lb. (454 kg) poly woven tote with inner polyethylene bag liner.

STORAGE / SHELF LIFE

Shelf life is two years from the date of manufacture in its original sealed packaging, through ideal storage conditions, which include temperatures below 25 °C, relative humidity lower than 75%, and an odor-free environment. Stocks should be used in rotation, preferably within twelve months.

RECOMMENDED LABEL

Whey Protein Concentrate (milk)

ORDERING INFORMATION

PART CODE	SHIPPING POINT
200001	Hilmar, CA USA
200001	Dalhart, TX USA
200001	Dodge City, KS USA
200024	Hilmar, CA USA
200024	Dalhart, TX USA

TYPICAL AMINO ACID PROFILE

Amino acids represented as g/100g of product

Alanine	4.1
Arginine	2.4
Aspartic Acid	8.7
Cystine/Cysteine	1.9
Glutamic Acid	14.2
Glycine	1.6
Histidine	1.5
Hydroxyproline	<0.1
Isoleucine*□	5.2
Leucine*□	8.4
Lysine*	7.8
Methionine*	1.8
Phenylalanine*	2.6
Proline	4.9
Serine	4.1
Threonine*	5.7
Tryptophan*	1.6
Tyrosine	2.6
Valine*□	4.5

* Essential Amino Acids □ Branched-Chain Amino Acids (BCAA)

TYPICAL FATTY ACID PROFILE

Fatty acids represented as g/100g of product

Saturated Fatty Acid	2.0
Monounsaturated Fatty Acid	1.0
Polyunsaturated Fatty Acid	0.3
Trans Fatty Acid	0.2

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Disclaimer: *This product has not been manufactured to control or eliminate Cronobacter spp. It should not be used in applications where Cronobacter spp. is identified as a hazard requiring a preventive control, without the application of an appropriate, validated kill step.*

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Hilmar.com

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