


Hilmar™ 7010 Instantized Whey Protein Concentrate

Hilmar™ 7010 is a functional, instantized 70% whey protein concentrate especially useful in dry mixes and milk solids replacement.

FEATURES / BENEFITS

- Quick, cold water dispersibility
- Acid and Heat Stable
- High Quality Protein Source
- Excellent Amino Acid Profile
- Rich in Phospholipids
- 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

NUTRITIONAL VALUES

| Composition | Typical | Specification | Test Method |
|-----------------------|---------|---------------|-------------|
| Protein (% dry basis) | 71.0 | 68.0 min | Calculation |
| Protein (% as is) | 69.0 | 66.0min | AOAC |
| Lactose (%) | 5.0 | | AOAC |
| Fat (%) | 15.5 | 18.0 max | AOAC |
| Moisture (%) | 3.5 | 5.5 max | AOAC |
| Ash (%) | 3.5 | 5.0 max | AOAC |

| Microbiology | Specification | Test Method |
|----------------------------------|---------------|-------------|
| APC (CFU/g) | 30,000 max | AOAC |
| Coliforms (CFU/g) | <10 | AOAC |
| <i>E. Coli</i> (CFU/g) | <10 | AOAC |
| Salmonella (375g) | 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) | 650 |
| Total Calories (Kcal/100g) | 415 |
| 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) | 382 |
| Calcium (mg/100g) | 362 |
| Potassium (mg/100g) | 427 |
| Phosphorus (mg/100g) | 543 |
| Magnesium (mg/100g) | 48 |
| Chloride (mg/100g) | 218 |
| Iron (mg/100g) | 2 |



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TYPICAL AMINO ACID PROFILE

Amino acids represented as g/100g of product

| | |
|------------------|------|
| Alanine | 3.6 |
| Arginine | 3.1 |
| Aspartic Acid | 7.1 |
| Cystine/Cysteine | 1.6 |
| Glutamic Acid | 11.1 |
| Glycine | 1.7 |
| Histidine | 1.5 |
| Hydroxyproline | <0.1 |
| Isoleucine*□ | 3.8 |
| Leucine*□ | 7.4 |
| Lysine* | 6.3 |
| Methionine* | 1.5 |
| Phenylalanine* | 2.7 |
| Proline | 4.0 |
| Serine | 4.3 |
| Threonine* | 4.7 |
| Tryptophan* | 1.4 |
| Tyrosine | 2.4 |
| Valine*□ | 4.0 |

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

TYPICAL FATTY ACID PROFILE

Fatty acids represented as g/100g of product

| | |
|----------------------------|-----|
| Saturated Fatty Acid | 6.0 |
| Monounsaturated Fatty Acid | 3.0 |
| Polyunsaturated Fatty Acid | 0.9 |
| Trans Fatty Acid | 0.3 |

PHYSICAL CHARACTERISTICS

Hilmar™ 7010 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.

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
Soy Lecithin

ORDERING INFORMATION

| PART CODE | SHIPPING POINT |
|-----------|-----------------|
| 200056 | Dalhart, TX USA |

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We deliver the promise of dairy.™