

SKIMMILK POWDER

Regular



Skimmilk Powder is a soluble powder made by spray drying fresh pasteurised skimmilk

Product Characteristics

- > Excellent solubility
- > Good dispersability
- > Low fat content
- > Clean flavour

Suggested Uses

- > Has a wide range of applications including reconstituted milk, sweetened condensed milk, fermented milk foods, yoghurt, ice cream mixes, milk cheese and confectionery products
- > May be used as an ingredient in bakery products and blends.
- > Not for use in infant formula for infants less than 12 months.

Packaging

Multi-wall bag with a paper outer and an inner plastic liner

No staples or metal fasteners are used

| | |
|--------------|--------|
| Net weight | 25.0kg |
| Gross weight | 25.4kg |

Storage and Handling

Skimmilk Powder is hygroscopic and can absorb odours. Therefore adequate protection is essential. It is recommended that product is stored at below 25°C, relative humidity below 65% and in an odour free environment. Stocks should be used in rotation preferably within 24 months of manufacture

Typical Compositional Analysis

The analysis results listed in this product bulletin are typical as measured on an "as is" basis. Refer to the selling specification for minimum and maximum limits by parameter.

| | |
|-----------------------------|------|
| Protein (N x 6.38) (g/100g) | 32.9 |
| Moisture (g/100g) | 3.8 |
| Fat (g/100g) | 0.9 |
| Total Carbohydrate (g/100g) | 54.5 |
| Minerals (g/100g) | 7.9 |

Typical Chemical Analysis

| | |
|------------------------------------|--------------|
| Titrateable Acidity(%m/v) | <0.15 |
| Inhibitory substances (IU/ml) | Not Detected |
| Whey Protein Nitrogen index (mg/g) | |
| Medium heat | 1.51-5.99 |
| Low heat | >6.0 |

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Typical Nutritional Analysis

| | |
|---------------------------------|------|
| Energy (kJ/100g) | 1520 |
| Calories (kcal/100g) | 365 |
| Energy from fat (kJ/100g) | 30 |
| Calories from fat (kcal/100g) | 8 |
| Total Sugars (lactose) (g/100g) | 54.5 |
| Fibre (g/100g) | <1 |
| Cholesterol (mg/100g) | 2 |
| Saturated fat (g/100g) | 0.6 |
| Trans fat (g/100g) | 0.04 |
| Vitamin A (µg/100g) | <1 |
| Vitamin A (IU/100g) | <3 |
| Vitamin C (mg/100g) | 15 |
| Iron (mg/100g) | 0.2 |
| Sodium (mg/100g) | 390 |
| Calcium (mg/100g) | 1240 |

Typical Physical Properties

| | |
|-------------------------|--------------|
| Bulk Density (g/ml) | 0.65-0.75 |
| Insolubility Index (ml) | <1.0 |
| Colour | Pale cream |
| Flavour | Clean |
| Scorched particles | Max B |
| Foreign matter | Not Detected |

Typical Microbiological Analysis

| | |
|---|--------------|
| Aerobic Plate Count (cfu/g) | <10,000 |
| Coliforms (/g) | Not Detected |
| Escherichia. coli (/g) | Not Detected |
| Yeasts and Moulds (cfu/g) | <50 |
| Staphylococci. Coagulase. Positive (/g) | Not Detected |
| Salmonella (/750g) | Absent |

Quality Assurance

Strict quality control procedures are enforced during manufacture. The manufacturing environment is also subject to regular monitoring and control.

Final product is sampled and tested for chemical, sensory and microbial parameters using internationally recognised procedures.

During storage and shipment, precautions are taken to ensure that the product quality is maintained. Each package is identified, enabling trace back.

Compliance

> Halal

Suggested Labelling

Skimmilk Powder

Allergens: Contains Milk and Dairy products. For additional information refer to the allergen statement

Country regulations for product labelling vary. Fonterra advises customers that they need to check local regulations to determine the correct labelling of this ingredient

Additional Information

Fonterra will only ship this product to countries listed on the Import Eligibility Statement and bidders Contracting Information File.

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Ingredients by **Fonterra**
Dairy for life

SKIMMILK POWDER

Regular Medium Heat



Chemical

| | Units | Min | Max |
|-------------------------------------|-------|------|------|
| Protein (N x 6.38) As is | % m/m | 32.4 | 36.7 |
| Milk Protein in Milk Solids non fat | % m/m | 34 | |
| Moisture | % m/m | | 4.0 |
| Fat | % m/m | | 1.25 |
| Titrateable Acidity | % m/v | | 0.15 |
| WPNI | mg/g | 1.51 | 5.99 |

Microbiological

| | Units | Min | Max |
|------------------------------------|-------|-----|--------------|
| Aerobic Plate Count | cfu/g | | 10000 |
| Coliforms | /g | | Not Detected |
| Escherichia. coli | /g | | Not Detected |
| Yeast and Mould | cfu/g | | 50 |
| Staphylococci. Coagulase. Positive | /g | | Not Detected |
| Salmonella | /750g | | Absent |

Physical

| | Units | Min | Max |
|--------------------|------------------|---------|--------------|
| Colour | Typical/Atypical | Typical | |
| Foreign matter | /25g | | Not Detected |
| Insolubility Index | ml | | 1.0 |
| Scorched particles | /25g | | B |

Sensory

| | Units | Min | Max |
|---------|------------------|---------|-----|
| Flavour | Typical/Atypical | Typical | |

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Regular Medium Heat



Other

- > Meets Codex standards for Lead
- > Meets Codex standards for Heavy metals
- > Meets Codex standards and FDA/EPA limits for Pesticides
- > Meets FDA requirements for Phosphatase
- > Meets FDA and MPI requirements for Inhibitory substance
- > Fonterra will only ship this product to countries listed on the Import Eligibility Statement and bidders Contracting Information File

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Fonterra will only ship Regular Skimmilk Powder to the countries that are specifically listed below:

If you want this product shipped to a country that is not listed below, please contact a Fonterra representative. There is no "obligation" on Fonterra to ship to a country that is not listed or has not been agreed between the customer and Fonterra prior to purchase.

**Prior to contracting with Fonterra, importers or agents must ensure that they meet all registration requirements imposed by their importing government agencies.

Destination Country

| | | |
|----------------------|-------------|-----------------------|
| Angola | **Honduras | **Peru |
| Armenia | Hong Kong | Philippines |
| Australia | Indonesia | Republic of the Congo |
| Azerbaijan | Jamaica | Saudi Arabia |
| Bahrain | Jordan | Senegal |
| Bangladesh | Kurdistan | Seychelles |
| Barbados | Kuwait | Singapore |
| Benin | Liberia | Sierra Leone |
| Bhutan | Madagascar | South Africa |
| Burkina Faso | Malawi | St Vincent |
| Cameroon | Malaysia | Sudan |
| China | Mali | Suriname |
| **Costa Rica | Mauritania | Taiwan R.O.C. |
| Cote d'Ivoire | Mauritius | Tajikistan |
| Djibouti | Mexico | **Thailand |
| **Dominican Republic | Moldavia | Togo |
| Egypt | Mongolia | Tunisia |
| French Polynesia | Mozambique | United Arab Emirates |
| Gabon | Myanmar | Uruguay |
| Gambia | Nepal | Vietnam |
| Georgia | New Zealand | Yemen |
| Ghana | Niger | Zimbabwe |
| **Guatemala | Nigeria | |
| Guinea | Oman | |
| Guinea Bissau | Pakistan | |
| Guyana | **Panama | |

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This Eligibility Statement should be used in conjunction of Product Bulletin Number and Selling Specifications Number: PB / SS 744.