

# ORGANIC WHOLE MILK POWDER 28% FAT MIN U

PRODUCT GROUP: **Organic Whole Milk Powder** PRODUCT ITEM CODE: **OW28UC**

Open Country Organic Whole Milk Powder is made by spray drying fresh pasteurised and certified organic cow's milk. It is a soluble powder with a minimum of 28% milk fat and a sweet desirable flavour. It is used in a wide range of applications.

## Applications:

Open Country Organic Whole Milk Powder is typically used for its functional and nutritional properties in food and beverage formulations. It is used in further manufacture and can be used as a replacement for liquid whole milk. It is used as an ingredient in bakery products, dry blends and snack foods.

## Microbiological Analysis:

Aerobic Plate Count	5,000	cfu/g Max
Coliforms	Not Detected	/g
E.coli	Not Detected	/g
Yeasts & Moulds	50	cfu/g Max
Enterobacteriaceae	Not Detected	/g
Enterococci	<100	cfu/g
Sulphite Reducing Clostridia	10	cfu/g Max
Coag. Pos. Staph	Not Detected	/g
Bacillus Cereus	<100	cfu/g
Salmonella	Not Detected	/375g
Listeria	Not Detected	/125g
Inhibitory Substances (Antibiotics)	Not Detected	
Thermophillic Spores	100	cfu/g Max
Mesophillic Spores	800	cfu/g Max

## Chemical & Physical Properties:

Analysis	Value/Unit
Milk Fat:	28.0 - 32.0 % m/m
Protein:	24.0 - 26.0 % m/m
Protein:SNF Basis:	34.0 % m/m Min
Moisture:	3.5 % m/m Max
Lactose:	39 % m/m Typical
Ash:	6.0 % m/m Max
Titrateable Acidity:	0.15 % m/v Max
Aflatoxin M1:	0.5 ug/kg Max
Nitrates:	50 mg/kg Max
Nitrites:	2 mg/kg Max
Impurities:	16 mg/kg Max
Arsenic:	0.5 mg/kg Max
Lead:	0.5 mg/kg Max
Chromium:	2.0 mg/kg Max
Foreign Matter:	Absent /32.5g
Scorched Particles:	Disc A /32.5g Max
Insolubility Index:	1.0 ml Max
Bulk Density:	0.47 - 0.60 g/ml Min, 100 Tap
Colour:	Light Cream
Flavour:	Sweet, free of undesirable odour

## Ingredients:

Pasteurised certified organic cow's milk.

## Quality Assurance:

The manufacturing environment is subject to regular monitoring and control. Final product is sampled, examined, and subjected to laboratory analysis. The dairy products are manufactured and tested in premises meeting legislative standards administered by the Ministry for Primary Industries. During storage and shipment precautions are taken to ensure that product quality is maintained. Each package is identified, enabling trace back.

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## Suggested Uses Include:

Open Country Organic Whole Milk Powder is an ideal milk source for any situation where organic solids are required or where an organic dairy ingredient is part of a formulation. Uses include reconstitution of milk, fermented milkfoods, yoghurt, ice creams, confectionery, bakery and canning operations.

## Packaging Information:\*

Packed into nitrogen or carbon dioxide flushed multiwall kraft, Open Country branded bags with polyethylene gas barrier liner.

Pack Size:	25 kg
Dimensions:	930mm H x 535mm W x 140mm D
Gross Weight:	25.4 kg
Bags per layer:	8
Layers per pallet:	7
Total Bags:	56
Container Load:	(20ft) 14 tonne (40ft) 25.2 or 28 tonne**

\* Packing and pallet information may change to suit product, customer or shipping requirements.

\*\* Weight restrictions apply.

## Coding:

Bags are coded with factory registration number, lot number (line, cypher), unit number, date of manufacture (DD MMM YYYY), and expiry date (728 days) (DD MMM YYYY).

## Storage Instructions and Shelf Life:

Milk powders have a tendency to absorb odours. Therefore this product is stored in an odour free environment, away from direct sunlight and at a temperature below 25°C with relative humidity below 65% in order to maintain its functional properties. While the bag is intact and the product kept under these conditions it has a shelf life of 728 days from date of manufacture.

## Allergen Status:

Contains Milk and Milk Products.

## Certifications & Registrations:

MPI & HACCP Approved, Halal Certified, Codex Compliance, EU Certification on request.

## Organic Certification:

NZ Ministry for Primary Industry Technical Rules for Organic Products (EU and Switzerland OMAR), AsureQuality Organic Standard, People's Republic of China (CNCA) GB/T 19630-2011.

## Nutritional Information:

Nutrient	Average Quantity per 100g
Energy (kJ)	2,136
Protein (g)	24.5
Fat - total (g)	28.5
- saturated (g)	18.9
Carbohydrate (g)	39.1
- sugars (g)	39.1
Sodium (mg)	240

## Open Country Dairy Limited

PO Box 11159, Ellerslie, Auckland 1542, New Zealand  
T: +64 9 589 1372  
F: +64 9 525 0347  
E: [info@opencountry.co.nz](mailto:info@opencountry.co.nz)  
W: [www.opencountry.co.nz](http://www.opencountry.co.nz)

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