

Whey Protein Isolate 896

ALACEN™ 896

PRODUCT BULLETIN

PB.200
Version 1.0805

DESCRIPTION

NZMP Whey Protein Isolate 896 is an instantised whey protein isolate that is manufactured by ion exchange and ultra filtration. Ion exchange increases the protein while reducing the fat and lactose. Whey Protein Isolate 896 is an undenatured, soluble whey protein with excellent dispersibility combined with excellent nutritive value. It is ideal for nutritional beverage powders that require spoon stirring.

PRODUCT CHARACTERISTICS

- Excellent nutritive value
- Excellent dispersibility
- Low fat and cholesterol
- Low lactose
- Soluble over wide pH range
- Clean flavour

SUGGESTED USES

- Nutritional beverage powders

PACKAGING

The standard pack is a multi-wall paper bag, which incorporates a moisture barrier and contains the product within an inner polyethylene bag. No staples or metal fasteners are used.

Net Weight	20.0 kg
Gross Weight	20.4 kg

STORAGE AND HANDLING

Whey protein isolates are hygroscopic and can absorb odours. Therefore adequate protection is essential. Temperatures below 20 °C, relative humidities below 65 % and an odour free environment extend the storage life. 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. Refer to the selling specification for minimum & maximum limits by parameter.

Protein (N x 6.38) (g/100g)	90.6
Moisture (g/100g)	4.5
Fat (g/100g)	0.6
Total Carbohydrate (g/100g)	0.2
Ash (g/100g)	2.4

TYPICAL CHEMICAL ANALYSIS

pH (5 % at 20 °C)	6.7
Inhibitory substances	<0.005 IU/mL

TYPICAL NUTRITIONAL ANALYSIS

Calories (kcal/100g)	370
Calories from fat (kcal/100g)	5.4
Total Sugars (lactose) (g/100g)	0.2
Fibre (g/100g)	0
Cholesterol (mg/100g)	15
Saturated fat (g/100g)	0.3
Trans fat (g/100g)	<0.1
Vitamin A (IU/100g)	176
Vitamin A (µg/100g)	53
Vitamin C (mg/100g)	<1
Iron (mg/100g)	0.5
Sodium (mg/100g)	430
Calcium (mg/100g)	169



Fonterra Co-operative Group Limited (Fonterra) and its subsidiaries, affiliates, agents, suppliers and distributors make no representations or warranties of any kind as to the accuracy, adequacy, or completeness of any information and/or opinions contained in this document or that they are suitable for your intended use. The information and/or opinions contained in this document may be changed at any time without notice. Nothing contained in this document should be construed as permission to infringe any intellectual property right or as a warranty of non-infringement of any intellectual property right. Please note that some products and applications may not be available and/or admissible.

Whey Protein Isolate 896

ALACEN™ 896

PRODUCT BULLETIN

PB.200
Version 1.0805

TYPICAL PHYSICAL PROPERTIES

Colour	Light cream
Flavour and Odour	Clean
Bulk density (packed)	0.40 g/mL
Scorched particles (30 g)	Disc A

TYPICAL MICROBIOLOGICAL ANALYSIS

Aerobic Plate Count (cfu/g)	<1 000
Coliforms (1 g)	Not detected
E. coli (1 g)	Not detected
Yeasts and Moulds (cfu/g)	<10
Coagulase Positive Staphylococci (1 g)	Not detected
Salmonella (750 g)	Absent
Listeria species (25 g)	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 traceback.

COMPLIANCE

- Non-GM source certified

SUGGESTED LABELLING

Whey Protein Isolate

Allergens: Contains soy, milk and dairy products.

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



Fonterra Co-operative Group Limited (Fonterra) and its subsidiaries, affiliates, agents, suppliers and distributors make no representations or warranties of any kind as to the accuracy, adequacy, or completeness of any information and/or opinions contained in this document or that they are suitable for your intended use. The information and/or opinions contained in this document may be changed at any time without notice. Nothing contained in this document should be construed as permission to infringe any intellectual property right or as a warranty of non-infringement of any intellectual property right. Please note that some products and applications may not be available and/or admissible.