

# WHEY PROTEIN ISOLATE 895

## INSTANTISED



Whey Protein Isolate 895 from Fonterra is an instantised neutral whey protein isolate that is ideal for nutritional beverage powders that require spoon stirring. Whey Protein Isolate 895 is manufactured by ion exchange (IX) and proprietary ultra-filtration techniques, generating un-denatured, soluble whey protein that contains the most nutritionally valuable proteins. This allows marketers to leverage the well-recognized scientific benefits associated with whey protein. Whey Protein Isolate 895 is a specialised protein with acid-heat and process stability, and good solubility at acidic pH. It also provides good aeration stability, enhanced gelling properties, and is easy to handle and process.

### Product Characteristics

- > Excellent nutritional value
- > PDCAAS score of 1.00
- > Excellent dispersibility and solubility
- > Low lactose, low fat and low cholesterol
- > Clean flavour
- > Soluble over a wide pH range

### Suggested Uses

- > Nutritional powdered beverages

### Packaging

Multi-wall paper which incorporates a moisture barrier and contains the product within an inner polyethylene bag. No staples or metal fasteners are used.

Net Weight	20.0kg
Gross Weight	20.4kg

### Storage and Handling

Whey Protein Isolates are hygroscopic and can absorb odours. Therefore adequate protection is essential. It is recommended that product is stored at temperatures 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) as is	93.0
Moisture (g/100g)	4.8
Fat (g/100g)	1.0
Total Carbohydrate (g/100g)	0.3
Ash (g/100g)	1.7
Inhibitory substances (IU/ml)	<0.005

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### Typical Nutritional Analysis

Energy (kJ/100g)	1620
Calories (kcal/100g)	385
Energy from fat (kJ/100g)	37
Calories from fat (kcal/100g)	9
Total Sugars (lactose) (g/100g)	0.3
Fibre (g/100g)	0
Cholesterol (mg/100g)	18
Saturated fat (g/100g)	0.6
Trans fat (g/100g)	0.04
Vitamin A (µg/100g)	0
Vitamin A (IU/100g)	0
Vitamin C (mg/100g)	0
Iron (mg/100g)	0.2
Sodium (mg/100g)	539
Calcium (mg/100g)	79

### Typical Physical Properties

Colour	White to light cream
Flavour	Clean
pH(5% at 20°C)	6.8
Bulk density (packed, g/mL)	0.40
Scorched particles (50g)	Disc A

### Typical Microbiological Analysis

Aerobic Plate Count (cfu/g)	<1000
E. coli (/g)	Not Detected
Yeast & mould (cfu/g)	<10
Staph. coag. pos. (/g)	Not Detected
Salmonella (/750g)	Absent
Listeria (/25g)	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 product is available on request and subject to availability
- > Kosher product is available on request and subject to availability

### Ingredients

- > Pasteurised whey
- > Soy lecithin

### Suggested Labelling

#### Whey Protein Isolate, Soy Lecithin

Allergens: Contains Milk and Dairy products, Soy

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