



Murray Goulburn Co-Op. Co. Ltd.

Product Specification 4886 / 10

PRODUCT : MILK PROTEIN CONCENTRATE (85%)
GRADE : STANDARD
CODE : MV

CUSTOMER : GENERAL
CUST. REF. : MP 85

CHEMICAL & PHYSICAL PARAMETERS

Parameter	Spec	Unit	Method
MOISTURE	7.0	% max	AS2300.1.1 1988
FAT	2.5	% max	AS2300.1.3 1988
pH (5% soln)	6.6 - 7.2	.	AS2300.1.6 1989
ASH	8.5	% max	AS2300.1.5 1988
LACTOSE	5.5	% typ.	CALCULATED
PROTEIN (TN x 6.38)	85.0	% min (dry basis)	AS2300.1.2 1991
INSOLUBILITY INDEX	2.0	ml max (@60oC)	AS2300.4.4 1994
SCORCHED PARTICLES	Disc B	/25g max	AS2300.4.5 1994
FLAVOUR & ODOUR	Good	.	AS2300.4.2 1994
APPEARANCE & COLOUR	Normal	.	AS2300.4.2 1994
INHIBITORY SUBSTANCES	< 0.003	ug/ml	AS1766.3.11 1991

Notes: Note : must be manufactured from pasteurised milk (min. 72.5oC for 15secs) and appropriate records kept to show 100% compliance with this requirement

MICROBIOLOGICAL PARAMETERS

Notes:

Parameter	Spec	Unit	Method
STANDARD PLATE COUNT	50000	/g max	AS1766.2.1 1991
COLIFORMS	ND	/0.1g	AS1766.2.3 1992
YEAST & MOULDS	50	/g max	IDF 94B 1990
COAG. +VE STAPHYLOCOCCI	ND	/g	AS1095.3.2 1986
SALMONELLA	ND	/750g	PSL 1

Notes:

INGREDIENTS

Skim Milk (Spec # 8022)

Notes:

PACKAGING #PACK_001 - Multiwall paper sack with polyethylene liner.

SHELF LIFE Best Before 24 mths

LABELLING #LABEL_600985 - Milk Protein Concentrate (85%) 20kg

COUNTRY OF ORGIN Product of Australia

GMO STATUS Ingredients do NOT contain or consist of GMOs in accordance with EU directive 2001/18/EEC
 Ingredients do NOT contain or consist of GMOs in accordance with ANZFSC Vol 2. Std 1.5.2
 Food Produced using Gene Techonology

HALAL STATUS

Certified by the Islamic Coordinating Council of Victoria

KOSHER STATUS

Kosher certified

SAMPLING

#SAMP_01 - Powder sampling

HANDLING & STORAGE

#S&H_01 - Milk powders on pallets

History of changes

Version	Date Changed	Description of change
01	2 Dec 1997	Original spec.
02	08 Jan 2001	Update to Lotus Notes
03	20 Apr 2002	Moisture from 5.5 to 6.0% max.
04	04 Mar 2004	Added Best Before 24 mths
05	10 Sep 2004	Added " Note : must be manufactured from pasteurised milk (min. 72.5oC for 15secs) and appropriate records kept to show 100% compliance with this requirement."
06	22 Dec 2004	Protein from 84.0% min as is to 84.0 % min (dry basis)
07	27 May 2005	Protein from 84.0 to 85.0% min (dry basis)
08	26 Feb 2007	Added Insolubility Index 2.0 ml max (@60oC)
09	15 Mar 2007	Moist from 6.0 to 7.0% max
10	17 Sep 2007	Lactose method from AS2300.4.10 to Calculated
11	22 Aug 2008	Changed kosher status to Kosher certified

**NUTRITIONAL
DATA**

All values are approximate.

Nutrient	Average quantity per 100
Energy	1520 kJ
Protein	81.1 g
Fat, Total	1.6 g
- Saturated	1.1 g
- Trans	0.08 g
- Polyunsaturated	0.06 g
- Monounsaturated	0.36 g
Carbohydrate	5.0 g
- Sugars	5.0 g
Sodium	70 mg
Calcium	2000 mg

ALLERGENS

The following table indicates the presence/absence of the following allergens and products thereof.

Yes	No	Allergens
	X	Cereals containing gluten & their products i.e. wheat
	X	Crustacea & their products
	X	Egg & egg products
	X	Fish & fish products
X		Milk & milk products
	X	Tree nuts & sesame seeds and their products
	X	Peanuts & their products
	X	Soybeans & their products
	X	Sulphur dioxide & sulphites in concentrations of more than 10mg/kg or 10mg/L
	X	Royal jelly, bee pollen, propolis
	X	Celery
	X	Mustard & their products
	X	Molluscs
	X	Lupins

Date Issued or Last Ammended : 17/09/2007