

## Product information.

### Calcium Caseinate I.

Product code: 41638

**DMV International**  
The ingredients of success



#### Description

Calcium Caseinate I is a spray dried and instantised milk protein, type fresh curd caseinate, prepared from fresh skimmed milk.

#### Ingredients

Milk protein, sunflower lecithin.  
(product produced from June 2008 onwards)

#### Additional label information

Calcium Caseinate I conforms with EU requirements for non-GMO labelling. The product is kosher and halal certified.

#### Applications

Calcium Caseinate I is used in dietetic, sport and health foods, slimming and geriatric formulas. Calcium Caseinate I is particularly recommended for the use in mixes for instant drinks. Calcium Caseinate I is low dusting, has an excellent dispersability and gives a low viscous, stable solution with a milky appearance and neutral taste and colour. The product is rich in protein and calcium, and low in lactose. Its protein has a high biological value and digestibility and a supplementary effect on the sub optimum amino acid profile of e.g. vegetable proteins.

#### Range of products

Within the EM range DMV International supplies a range of functional roller dried milk proteins for the food industry. Next to that DMV International supplies a range of spray dried milk proteins.

#### Packaging

Multi layer paper bag with a polythene inner bag; content is 20kg. Palletised/wrapped to units of 800kg. Alternatively Calcium Caseinate I can be supplied in big bags.

#### Shelf life

In the original sealed packaging under normal, odour free conditions of 5-25°C and max. 70% R.H. the product can be kept for 2 years.

#### Typical analysis

Chemical	
Protein (Nx6.38)	90.3%
Moisture	5.0%
Ash (825°C)	3.5%
Fat	1.0%
Lactose	0.2
pH (10% sol. 20°C)	6.8
Physical/Organoleptic	
Colour	White/Cream
Taste/odour	Bland/Neutral
Bulk density (tapped)	375g/l
Particle size (<1000µm)	99.5-100%
Microbiological	
Standard plate count	100/g
Aerobic spore count	10/g
Anaerobic spore count	10/g
Sulphite reducing Clostridia	<10/g
Yeasts and Moulds	<10/g
CP staphylococci	Neg. in 1g
Enterobacteriaceae	<1/g
E.coli	Neg. in 10g
Salmonella	Neg. in 50g

Please refer to the specifications for guaranteed limits.

#### Warranty

The details given here are merely intended for information purposes and are in no way legally binding. Consequently we accept no responsibility in the broadest sense of the word for damage that may result from applications based upon this information. Furthermore, this information does not constitute permission to infringe patent and licence rights.

## Typical analysis

### Nutritional

Energy value	1,550kJ/100g
Minerals:	
Calcium	1.45g/100g
Chloride	50mg/100g
Magnesium	5mg/100g
Potassium	15mg/100g
Phosphorus	0.74g/100g
Sodium	15mg/100g

### Amino acid profile (g/16gN):

Alanine	3.1
Arginine	3.8
Aspartic acid	7.3
Cystine	0.4
Glutamic acid	22.3
Glycine	1.9
Histidine	3.2
Isoleucine	5.8
Leucine	10.1
Lysine	8.3
Methionine	3.0
Phenylalanine	5.4
Proline	10.5
Serine	6.3
Tyrosine	5.8
Threonine	4.6
Thryptophane	1.4
Valine	7.4

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