SODIUM CASEINATE

Document Product Specification

Product description

Product	Edible sodium caseinate
Type	Water-soluble milk protein
Application	Soups, sauces, meat, milk products and protein enrichment, e.g. in sports food
Labelling	Edible sodium caseinate or milk protein

Product highlights

Protein	min 89.0 %
Allergen	Milk
Dietary	Vegetarian, gluten-free
Certification	Halal, Kosher

Sensory properties

Parameter	Method	Specification
Appearance		creamy
Structure		powder
Odour		typical

Chemical-physical properties

Parameter	Method	Specification
Free moisture / loss on drying	ISO 5550 (6 h, 102 °C ± 2 °C)	max 6.0 %
Protein	ISO 8968-3 / Kjeldahl, F = 6.38	min 89.0 %
Protein in dry matter	ISO 8968-3 / Kjeldahl, F = 6.38	min 94.0 %
Ash	ISO 5545 (825 °C ± 25 °C)	3.0 – 4.5 %
Fat	ISO 5543 / Schmid-Bondzynski-Ratzlaff	max 1.3 %
Anhydrous lactose	Enzymatic	max 0.2 %
pH	ISO 5546	6.5 – 7.0
Purity / scorched particles	ADPI (25 g) / filtration	A

Microbiological properties

Parameter	Method	Specification
Aerobic mesophilic colony count	ISO 4833	max 1000 cfu/g
Yeasts	ISO 6611	max 10 cfu/g
Moulds	ISO 6611	max 10 cfu/g
Enterobacteriaceae	ISO 21528	< 10 cfu/g

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Escherichia coli	DIN 10183	negative /g
Thermophilic bacteria	Plate count agar + skimmed milk, 55 °C, 48 h	max 1000 cfu/g
Salmonella spp.	ISO 6579	negative /375 g
Coagulase positive Staphylococci	ISO 6888	< 10 cfu/g
Listeria monocytogenes	ISO 11290	negative /25 g

Salmonella spp. is analysed per production line per week.

Nutritional information per 100 g

Energy (kJ)	1591 kJ	Carbohydrate	0.1 g
Energy (kcal)	375 kcal	– of which sugars	0.1 g
Fat	0.8 g	– of which polyols	0 g
– of which saturates	0.5 g	– of which starch	0 g
– of which mono-unsaturates	0.2 g	Fibre	0 g
– of which polyunsaturates	0 g	Protein	91 g
– of which trans fatty acids	0 g	Salt*	4.0 g
– of which cholesterol	2.0 mg	Alcohol (ethanol)	0 g
		Organic acids	1.0 g

*Salt = sodium × 2.5 (calculation based on all added sodium compounds and naturally occurring sodium of other ingredients, if applicable). Salt content exclusively due to naturally occurring sodium: no.

Allergens

Allergen	Present
Milk (including lactose)*	yes

Not present (no): cereals containing gluten, crustaceans, eggs, fish, peanuts, soybeans, nuts, celery, mustard, sesame seeds, SO_2 and sulphites >10 ppm in terms of total SO_2, lupin, molluscs, cocoa, glutamate (E 620 – E 625), chicken meat, coriander, corn / maize, legumes, beef, pork, carrot.

*and products thereof. Based on ingredients used in the production process, declared in the list of ingredients according to the relevant legal requirements of the EU in the currently valid version.

GMO and suitability for specific diets

Parameter	Result
GMO labelling requirement according to EU legislation	no
The product consists of GMO	no
The product contains GMO	no
The product is produced from GMO	no

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The ingredients of the product are produced from GMO	no
Suitable for people with celiac disease (“gluten-free”, max. 20 ppm gluten)	yes
Suitable for a vegetarian diet (European Vegetarian Union definition, i.e. no animal rennet)	yes
Suitable for a vegan diet	no

Compliance

General	The product and its production conform to the relevant legal requirements of the EU for food in the currently valid version. The necessary authorizations for production purposes are being maintained.
Hygiene / HACCP	Production, storage and transport conform to the relevant legal hygiene requirements of the EU. An HACCP system is installed.
Residues and contaminants	The product conforms to the relevant legal requirements of the EU regarding residues and contaminants. A system for verification is installed. The product and its ingredients have not been treated with ionizing radiation and/or ethylene oxide.
Traceability	Traceability conforms to the relevant legal requirements of the EU in the currently valid version.
GMO	The product does not have to be labelled regarding GMO. It is not a genetically modified organism, does not contain GMO and does not consist of GMO. It is not produced from GMO and does not contain ingredients produced from GMO.
Novel Food	The product and its ingredients are not Novel Food.
Nano	The product and its ingredients do not have to be labelled “nano”.
Packaging	The primary packaging material conforms to the relevant legal requirements of the EU for food contact materials. Declarations of compliance are available. In case of delivery without packaging material the conveyances comply with the requirements of Regulation (EC) No 852/2004 Annex II Chapter IV (Transport).
Halal / Kosher	The product is Halal certified and Kosher certified.

The specified data apply when the product is properly stored. Compliance with legislation or requirements other than those of the EU is within the responsibility of the customer. The information contained herein is reliable to the best of our knowledge and belief.

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