Casein

Casein (milk protein) · CAS 9000-71-9 · Micellar casein, spray-dried

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

CHEMICAL FORM	FORMULA	CAS	PRIMARY ASSAY
Micellar casein, spray-dried	Casein (milk protein)	9000-71-9	≥90.0% (dry basis)
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
Kjeldahl	1 kg	1–7 days	1 kg foil pouch · 25 kg fiber drum

DESCRIPTION

Micellar casein specified at ≥90% protein on a dry basis, with moisture, ash, fat and lactose limits, for powders and bars where the slow-digesting protein and the mineral load have to be declared.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Protein (Kjeldahl N×6.38)	≥90.0% (dry basis)	As stated
Moisture	≤10.0%	As stated
Ash	≤2.0%	As stated
Fat	≤1.5%	As stated
Lactose	≤1.0%	As stated
Appearance	White to off-white powder	As stated
pH (5% suspension)	6.5–7.5	As stated
Heavy metals	Pb ≤3 · As ≤2 · Cd ≤1 · Hg ≤0.1 mg/kg	As stated
Microbiology	APC ≤10,000 cfu/g · yeast and mould ≤100 cfu/g · E. coli and Salmonella absent	As stated
Particle size	≥95% through 80 mesh	As stated
Marker set	Protein ≥90% (dry basis, N×6.38)	Identity
Solubility	Dispersible in water; micellar casein swells and is not a clear solution.	Matrix dependent

APPLICATIONS

- Sports powders
- Powder sticks and drink mixes
- Protein bars

AVAILABLE FORMS

- Spray-dried powder, 80 mesh
- Agglomerated on request
- Instantized on request

PACKING

- 1 kg foil pouch
- 25 kg fiber drum

STORAGE

Store in a cool, dry, well-ventilated area, away from direct sunlight and moisture. Keep the pack closed after sampling. The lot-specific retest date is shown on the batch COA.

DOCUMENTATION RELEASED WITH EACH LOT

- Batch-specific certificate of analysis
- Technical data sheet and safety data sheet
- Allergen, GMO, origin and residual-solvent statements
- Third-party reports on request

Catalog document. This TDS describes the grade we can quote. The final specification, pack and documentation are confirmed in writing before the order. It is not a batch COA and does not report a result for a specific lot.

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