Casein Phosphopeptides

— · CAS — · Casein phosphopeptide powder

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

CHEMICAL FORM	FORMULA	CAS	PRIMARY ASSAY
Casein phosphopeptide powder	—	—	≥80.0%
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
Kjeldahl protein, HPLC peptide distribution and calcium titration	1 kg	1–7 days	1 kg foil pouch · 25 kg fiber drum

DESCRIPTION

Casein phosphopeptides specified at ≥80% protein with ≥70% peptide and 2.0–4.0% calcium; the phosphorylation, the calcium figure and the peptide profile are the specification.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Protein (Kjeldahl)	≥80.0%	As stated
Peptide content	≥70.0% (HPLC)	As stated
Calcium	2.0–4.0%	As stated
Ash	≤10.0%	As stated
Appearance	White to off-white, free-flowing powder	As stated
Identification	Protein and peptide profile conform	As stated
Moisture	≤5.0%	As stated
Heavy metals	Pb ≤3 · As ≤2 · Cd ≤1 · Hg ≤0.1 mg/kg	As stated
Microbiology	APC ≤1,000 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 ≥80%; peptide ≥70%; Ca 2.0–4.0%	Identity
Solubility	Soluble in water; the solution is clear to slightly turbid.	Matrix dependent

APPLICATIONS

- Capsules and tablets
- Powder sticks and drink mixes

AVAILABLE FORMS

- Powder, 80 mesh
- Granulated 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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