Corn Zein

— · CAS 9010-66-6 · Corn zein, powder

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

CHEMICAL FORM	FORMULA	CAS	PRIMARY ASSAY
Corn zein, powder	—	9010-66-6	≥90.0%
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
Kjeldahl protein and zein assay	1 kg	1–7 days	1 kg foil pouch · 25 kg fiber drum

DESCRIPTION

Corn zein specified at ≥90.0% protein on a dry basis with low fat; the zein and the corn protein peptides are different products with different solubility and film-forming behaviour.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Protein (Kjeldahl, N×6.25, dry basis)	≥90.0%	As stated
Fat	≤2.0%	As stated
Ash	≤1.0%	As stated
Appearance	Off-white to cream powder	As stated
Identification	Protein profile conform	As stated
Moisture	≤8.0%	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 ≥90.0% (dry basis); fat ≤2.0%	Identity
Solubility	Insoluble in water; soluble in aqueous alcohol.	Matrix dependent

APPLICATIONS

- Coatings and films
- Capsules and tablets
- Powder blends

AVAILABLE FORMS

- Powder, 80 mesh
- Granulated on request

PACKING

STORAGE

- 1 kg foil pouch
- 25 kg fiber drum

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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