Alkaline Protease

Alkaline protease enzyme preparation · CAS 9014-01-1 · Alkaline protease powder from Bacillus licheniformis

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

CHEMICAL FORM	FORMULA	CAS	PRIMARY ASSAY
Alkaline protease powder from Bacillus licheniformis	Alkaline protease enzyme preparation	9014-01-1	≥200,000 U/g
METHOD	MINIMUM ORDER	LEAD TIME	STANDARD PACK
Activity assay (U)	1 kg	1–7 days	1 kg foil pouch · 25 kg fiber drum

DESCRIPTION

Food-grade alkaline protease powder standardized to ≥200,000 U/g, for enzyme blends where the unit definition, the assay substrate and the activity after processing have to be declared.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Alkaline protease activity	≥200,000 U/g	As stated
Appearance	Off-white to light tan powder	As stated
pH (1% solution)	8.0–10.0	As stated
Loss on drying	≤8.0%	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 40 mesh	As stated
Marker set	Alkaline protease ≥200,000 U/g	Identity
Solubility	Soluble in water; the solution is clear to slightly hazy.	Matrix dependent

APPLICATIONS

- Enzyme blends
- Powder sticks and drink mixes

AVAILABLE FORMS

- Powder, 40 mesh
- Lower-activity dilution on request
- Granulated on request

PACKING

- 1 kg foil pouch

STORAGE

• 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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