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TECHNICAL DATA SHEET

TDS-ENZ106-EN · REV. 02 · 2026-11-03

Cellulase Powder 10000u/g

Cellulase powder with a declared activity of 10000u/g, supplied as a white powder.

SKU **ENZ106** CATEGORY **CELLULASE** CAS **9012-54-8** GRADE **FOOD & INDUSTRIAL** APPEARANCE **WHITE POWDER**

Food grade · Industrial grade · Not restricted for transport · GMO-free · Produced by submerged fermentation

DECLARED ACTIVITY	FORM	SHELF LIFE	PACK SIZE
10000u/g	**White Powder**	**12 months**	**1 kg / bag**
as stated in the specification	active ingredient: Cellulase	sealed, see storage below	also listed: bottle, bag, aluminum foil bag

SPECIFICATION

IDENTITY

Active ingredient	Cellulase Typical
CAS No.	9012-54-8 Typical
Mechanism of action	Hydrolysis of beta-1,4-glycosidic bonds in cellulose, producing glucose and oligosaccharides Typical

ACTIVITY

Enzyme activity	**≥ 10,000 U/g** Spec
Test method	HPLC Typical

PHYSICAL

Appearance	**Light yellow powder** Spec
Loss on drying	≤ 8.0 % Spec
Grade	Food & Industrial Typical

PURITY AND HYGIENE

Heavy metals	< 30 mg/kg Spec
Arsenic (As)	< 2.0 mg/kg Spec
Lead (Pb)	< 2.0 mg/kg Spec
Total plate count	≤ 10,000 CFU/g Spec

Spec = release limit, confirmed on every lot's Certificate of Analysis. **Typical** = normal product behaviour, not a release limit.

STORAGE & PACKAGING

SHELF LIFE
12 months

STORAGE
Store in a cool, dry place, away from strong light and heat.

PACK SIZE
1 kg / bag

ORDERING
Online or by e-mail; current price on the product page

APPLICATIONS

Textile finishing
Lower the pilling tendency of fabric.

Stone washing
Reduce garment damage, machine wear and pumice dust, and lower environmental impact.

Fabric treatment
Improve softness, smoothness, color brightness, water absorptivity and fabric drape coefficient.

Cellulose hydrolysis
Break down cellulose into glucose and oligosaccharides.

Biochemical research
Serve as a biochemical reagent and reference substance for research and analysis.

DOSAGE

Determine by trial
no application rate stated on the product page

Each lot is released against its specification; the lot Certificate of Analysis reports the measured values.

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Online: enzymes.bio/product/cellulase-powder-10000u-g-cas-9012-54-8-cellulase-enzyme-powder

Handle with care; avoid inhalation and contact with skin, and always use appropriate personal protective equipment. This technical data sheet gives the product specification and typical values; it is not a batch certificate. A Certificate of Analysis for the supplied lot accompanies each shipment. Safety Data Sheet on request.

SCAN TO ORDER