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TECHNICAL DATA SHEET

TDS-ENZ098-EN · REV. 02 · 2026-11-03

# Acid Cellulase Enzyme Powder For Bio-polishing

Acid cellulase enzyme powder for textile bio-polishing that removes surface fuzz and pilling.

SKU **ENZ098** CATEGORY **CELLULASE** CAS **9012-54-8** OTHER NAMES **FUNGAL CELLULASE** GRADE **FOOD GRADE**

Food grade · Produced by submerged fermentation · Not restricted for transport

| DECLARED ACTIVITY | OPTIMUM TEMPERATURE | OPTIMUM PH | SHELF LIFE |
|---|---|---|---|
| **11000 u/g** | **50°C-55°C** | **4.5-6.0** | **12 months** |
| as stated on the product page | working range 30°C-80°C | working range pH 3.5~6.5 | sealed, see storage below |

## SPECIFICATION

| IDENTITY | |
|---|---|
| Appearance | Powder Typical |
| Colour | Light yellow to brownish yellow Typical |
| **ACTIVITY** | |
| Declared activity | **11000 u/g** Typical |
| **PHYSICAL** | |
| Loss on drying | ≤8.0 % Typical |
| Particle size (%<40 mesh) | ≥80 % Typical |
| **WORKING WINDOW** | |
| Optimum temperature | 50°C-55°C Typical |
| Temperature range | 30°C-80°C Typical |
| Optimum pH | 4.5-6.0 Typical |
| pH range | 3.5~6.5 Typical |
| **PURITY AND HYGIENE** | |
| Lead | ≤5.0 mg/kg Typical |
| Arsenic | ≤3.0 mg/kg Typical |
| Total viable count | ≤50000 CFU/g Typical |
| Coliform bacteria | ≤30 CFU/g Typical |

**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
**Keep sealed in a dry and cool place and avoid direct sunlight**

PACK SIZE
**1 kg / bag**

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

## APPLICATIONS

**Animal feed**
Reduce feed viscosity and release nutrients in the animal digestive tract.

**Textile bio-polishing**
Remove surface fuzz and pilling for a smooth, lustrous finish with less weight loss.

**Brewing and wine**
Promote starch release, improve extraction yield and reduce wort viscosity.

**Food and plant extraction**
Improve food texture and ease extraction of target components.

## DOSAGE

**0.1-3 kg/t DS**

recommended application rate per tonne DS

Optimise for **each application, raw material specifications, product expectation and processing parameters**

Begin the test with a convenient volume.

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



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Online: enzymes.bio/product/acid-cellulase-enzyme-powder-for-bio-polishing-cas-9012-54-8

Enzyme preparations are proteins that may induce sensitization and cause allergic-type symptoms in susceptible individuals. 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