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TECHNICAL DATA SHEET

TDS-ENZ082-EN · REV. 02 · 2026-11-03

Acid Cellulase Enzyme For Hydrolyzing Fiber

Acid cellulase enzyme for hydrolyzing cellulose fiber, effective at low pH.

SKU **ENZ082** CATEGORY **CELLULASE** CAS **9012-54-8** OTHER NAMES **FUNGAL CELLULASE**

TYPE **ENZYME PREPARATIONS**

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

OPTIMUM TEMPERATURE	OPTIMUM PH	FORM
65°C-75°C	**4.5-6.0**	**Powder**
working range 40°C-80°C	working range pH 3.0~7.5	appearance as stated on the product page

SPECIFICATION

IDENTITY

CAS number	9012-54-8 Typical
EINECS number	232-734-4 Typical

PHYSICAL

Appearance	Powder Typical
Colour	Yellowish Typical
Odour	Normal microbial fermentation odour Typical

WORKING WINDOW

Optimum temperature	**65°C-75°C** Typical
Temperature range	40°C-80°C Typical
Optimum pH	**4.5-6.0** Typical
pH range	3.0~7.5 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
Not stated

PACK SIZE
Not stated

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

APPLICATIONS

Biomass saccharification
Hydrolyzes cellulose fiber at low pH.

Textile treatment
Hydrolyzes cellulose fiber in textile treatment.

Feed processing
Hydrolyzes cellulose fiber in feed processing.

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/acid-cellulase-enzyme-for-hydrolyzing-fiber

Enzyme preparations are proteins and may sensitise; avoid skin, eye and inhalation contact. 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