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TECHNICAL DATA SHEET

TDS-ENZ279-EN · REV. 02 · 2026-11-03

Finished Denim Cellulase Enzyme Powder

Cellulase enzyme powder for finished denim processing, giving a soft hand feel and worn-in look.

SKU **ENZ279** CATEGORY **ENZYMES FOR TEXTILE INDUSTRY** PRODUCT CATEGORY **ENZYMES FOR TEXTILE INDUSTRY**

GRADE **INDUSTRIAL GRADE**

Industrial grade

Not restricted for transport

WORKING TEMPERATURE	WORKING PH	APPLICATION RATE	SHELF LIFE
20°C to 50°C	**6.0 to 7.0**	**0.5% to 1% (o.w.f)**	**12 months**
no optimum stated	no optimum stated	per weight of fabric	sealed, see storage below

SPECIFICATION

IDENTITY

Appearance	**Light gray powder** Typical
Odor	Mild fermentation scent Typical

COMPOSITION

Composition	Cellulase enzyme, auxiliary agents, surface-active components Typical

WORKING WINDOW

Temperature	**20°C to 50°C** Typical
pH range	6.0 to 7.0 Typical
Processing time	15 to 45 minutes Typical
Bath ratio	1:7 to 1:10 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
Store in a cool, dry, and ventilated place; keep sealed when not in use; recommended below 30°C

PACK SIZE
1 kg/bag, sealed aluminum foil bag

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

APPLICATIONS

Abrade denim garments by enzymatic washing
Stone-washed look as an alternative to pumice stone washing

Bio-polish cotton textiles
Cleaner, clearer fabric surfaces with reduced fuzz

Refine linen and other cellulose fibers
Improved surface definition

Smooth and polish Lyocell fabrics
Smoother fabric surface

Polish and soften twill and canvas materials
Softer hand and improved drape

DOSAGE

0.5% to 1% (o.w.f)

per weight of fabric (o.w.f)

Temperature	**20°C to 50°C**
pH range	**6.0 to 7.0**
Processing time	**15 to 45 minutes**
Bath ratio	**1:7 to 1:10**

Apply under the listed processing conditions.

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

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Online: enzymes.bio/product/finished-denim-cellulase-enzyme-powder

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