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Neutral Cellulase Enzyme for Denim Abrasion

Neutral cellulase for denim abrasion and bio-washing in jeans finishing.

SKU **ENZ065** CATEGORY **CELLULASE** CAS **9012-54-8**

Not restricted for transport

DECLARED ACTIVITY	APPLICATION RATE	SHELF LIFE	PACK SIZE
≥4000 u/g	**0.5-1.5% owg**	**12 months**	**1 kg / bag**
CMCase, as stated on the product page	denim, liquor ratio 7:1-10:1	sealed, see storage below	keep sealed, avoid direct sunlight

SPECIFICATION

IDENTITY		
Enzyme type	Neutral cellulase	Typical
CAS	9012-54-8	Typical
ACTIVITY		
CMCase activity	**≥4000 u/g**	Typical
PHYSICAL		
Appearance	Snuff color	Typical
Odor	Slight fermentation odor	Typical
WORKING WINDOW		
Liquor ratio	7:1-10:1	Typical
Time	20-40 minutes	Typical
Inactivation	Above 80°C for 10 minutes, or pH above 8.0 for 10 minutes	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; slight sedimentation is acceptable and does not impact performance

PACK SIZE
1 kg / bag

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

APPLICATIONS

Abrade denim garments in the textile bio-washing process
Imparts abrasion with low back staining

Finish jeans after washing
Gives uniform fading and soft hand feel

Run denim abrasion across a wide temperature range
Maintains abrasion effect under varying temperature

Process denim for high color contrast
Gives a low degree of indigo back staining

DOSAGE

0.5-1.5% owg
for denim

Substrate	**Denim**
Liquor ratio	**7:1-10:1**
Time	**20-40 minutes**

Raising temperature above 80°C for 10 minutes, or raising the pH above 8.0 for 10 minutes, inactivates the enzyme completely.

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

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Online: enzymes.bio/product/neutral-cellulase-enzyme-for-efficient-denim-abrasion

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