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Neutral Cellulase Enzyme

Neutral cellulase for bio-polishing, hairiness removal and denim washing in textile wet processing.

SKU **ENZ270** CATEGORY **CELLULASE** CAS **9012-54-8** FORM **LIQUID** SOLUBILITY **FULLY SOLUBLE IN WATER**

Not restricted for transport

WORKING TEMPERATURE	WORKING PH	FORM	SUGGESTED RATE
45–55 °C	**4.5–7.5**	**Liquid**	**0.1% – 0.5% (o.w.f.)**
no optimum stated	no optimum stated	brown, fully soluble in water	depends on fabric and process, confirm by bench trial

SPECIFICATION

IDENTITY

Enzyme	Neutral cellulase Typical
CAS	9012-54-8 Typical

PHYSICAL

Form	**Liquid** Typical
Color	Brown Typical
Odor	Mild fermentation odor Typical
Solubility	Fully soluble in water Typical

WORKING WINDOW

Temperature	**45–55 °C** Typical
Working pH range	**4.5–7.5** Typical

COMPOSITION

Contents	Cellulase enzyme with buffering agents and stabilizers 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
Tightly closed container in a cool, dry place at 2–25 °C; avoid direct sunlight

PACK SIZE
Not stated

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

APPLICATIONS

Bio-polish cotton and viscose fabrics
Removes surface fuzz and microfibrils for a smoother surface

Remove hairiness and reduce linting
Cleaner fabric face and reduced pilling tendency

Finish denim and garments by wash-down
Controlled surface effects and uniform vintage looks

Stop enzyme activity at end of process
Adjust bath to pH > 9.0 and hold for 5 minutes

DOSAGE

0.1% – 0.5% (o.w.f.)

o.w.f. as stated; depends on fabric, target intensity, equipment, liquor ratio and time

Temperature	**45–55 °C**
pH	**4.5–7.5**

Dilute first, then blend, as recommended on the product page. Confirm the ideal addition level through bench trials.

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

enzymes.bio · Level 1, 6 Johnsonville Road, Wellington 6037, New Zealand · **Tel (USA) +1 (507) 428-6057** · wholesale@enzymes.bio

Online: enzymes.bio/product/neutral-cellulase-enzyme

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