enzymes.bio

Add enzymes. Add value.

TECHNICAL DATA SHEET

TDS-ENZ088-EN · REV. 02 · 2026-11-03

Conzyme TM600 Neutral Cellulase for Denim Washing

Concentrated granular neutral cellulase designed for denim abrasion in bio-washing of garments.

SKU **ENZ088** CATEGORY **CELLULASE** PHYSICAL FORM **POWDER** CATEGORY **CELLULASE**

Industrial grade Not restricted for transport

DECLARED ACTIVITY	OPTIMUM TEMPERATURE	OPTIMUM PH	SHELF LIFE
1,700u/g	**50°C**	**5.0-6.0**	**12 months**
as stated on the product page	working range 40-60°C	working range pH 5.0-7.0	sealed, see storage below

SPECIFICATION

IDENTITY

Physical form	Powder Typical
Colour	Light yellow Typical
Odour	Normal microbial fermentation odour Typical

ACTIVITY

Declared activity	**1,700u/g** Typical

WORKING WINDOW

Activity temperature	40-60°C Typical
Optimum temperature	50°C Typical
Activity pH	5.0-7.0 Typical
Optimum pH	5.0-6.0 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, avoiding direct sunlight

PACK SIZE
1 kg / bag

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

APPLICATIONS

Bio-wash denim garments
Imparts high abrasion and fading effect

Treat cotton, hemp, viscose, yarn and Lyocell
Extends processing to these materials

Abrade denim without harming the fabric
Fast abrasion with good anti-back staining

Finish fabric surface
Gives clean, even surface, softer hand feel and brighter colours

DOSAGE

0.1-0.3% owg
per weight of denim (owg)

Liquor ratio	**5:1-20:1**
Temperature	**40-60°C (optimum 50°C)**
pH	**5.0-7.0**
Time	**45-60 minutes**

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

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-for-textile-industry-in-denim-washing-process

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