enzymes.bio

Add enzymes. Add value.

TECHNICAL DATA SHEET

TDS-ENZ227-EN · REV. 02 · 2026-11-03

Enzyme For Bleaching Of Pulp

Xylanase-based enzyme for pulp bleaching, reducing chlorine dioxide usage and improving pulp brightness.

SKU **ENZ227** CATEGORY **PULP AND PAPER ENZYMES** TYPE **ENZYME** CLASSIFICATION **CHEMICAL AUXILIARY AGENT** USAGE **PAPER CHEMICALS**

Not restricted for transport

WORKING TEMPERATURE	WORKING PH	REACTION TIME	SHELF LIFE
35-65°C	**6.0-9.0**	**45-90 minutes**	**12 months**
no optimum stated	no optimum stated	per section intro	sealed, see storage below

SPECIFICATION

IDENTITY	
Type	Enzyme Typical
Classification	Chemical Auxiliary Agent Typical
PHYSICAL	
Appearance	Brown liquid Typical
Density	1-1.12 g/ml Typical
Odour	Slight fermentation odour Typical
Solubility	Soluble in water Typical
WORKING WINDOW	
pH	6.0-9.0 Typical
Temperature	35-65°C Typical
Reaction time	45-90 minutes Typical
PURITY AND HYGIENE	
Purity	99.9% 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
Stored in a dry place with a temperature between 5-25°C

PACK SIZE
1 kg / bag

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

APPLICATIONS

Bio-bleach pulp with xylanase-based enzyme
Reduces chlorine dioxide usage and improves pulp brightness.

Reduce the amount of chlorine bleach in pulp bleaching
Improves bleaching efficiency and lowers bleaching costs.

Improve pulp whiteness during bleaching
Inhibits yellowing of pulp.

Reduce effluent load from pulp bleaching
Reduces effective chlorine content in bleaching wastewater.

DOSAGE

100-300 g/T

per T as written on the product page

Temperature	**35-65°C**
Reaction time	**45-90 minutes**
pH	**6.0-9.0**

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/enzyme-for-bleaching-of-pulp

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