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TECHNICAL DATA SHEET

TDS-ENZ179-EN · REV. 02 · 2026-11-03

Paper Processing Enzyme For Reducing Lignin Content

Bio-pulping enzyme that facilitates enzymatic lignin removal to reduce chemical bleaching requirements.

SKU **ENZ179** CATEGORY **PULP AND PAPER ENZYMES** USAGE **PAPER CHEMICALS** APPEARANCE **BROWN LIQUID**

SOLUBILITY **SOLUBLE IN WATER**

Industrial grade Not restricted for transport

WORKING TEMPERATURE	WORKING PH	SHELF LIFE	APPLICATION RATE
35-65°C	**6.0-10.0**	**12 months**	**100-500 g/T**
no optimum stated	no optimum stated	sealed, see storage below	as stated on the product page

SPECIFICATION

IDENTITY	
Appearance	Brown liquid Typical
Odour	Slight fermentation odor Typical
PHYSICAL	
Density	1-1.12 g/ml Typical
Solubility	Soluble in water Typical
WORKING WINDOW	
pH	**6.0-10.0** Typical
Temperature	35-65°C Typical
Reaction time	45-90 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
Dry place, temperature between 5-25°C

PACK SIZE
1 kg / bag

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

APPLICATIONS

Treat wood flour fibers before pulping
Reduces lignin content in the wood flour fibers

Soften and swell wood flour fibers
Makes fibers soft and loose; improves fine fiberization

Improve paper uniformity and strength
Improves fiber bonding and paper strength

Reduce production costs in paper making
Makes it possible to increase ash content

DOSAGE

100-500 g/T

application rate per T as stated on the product page

pH	**6.0-10.0**
Temperature	**35-65°C**
Reaction time	**45-90 minutes**

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

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Online: enzymes.bio/product/paper-processing-enzyme-for-reducing-lignin-content

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