enzymes.bio

Add enzymes. Add value.

TECHNICAL DATA SHEET

TDS-ENZ229-EN · REV. 02 · 2026-11-03

Composite Enzymes for Secondary Fiber Papermaking

Enzyme blend for pretreating waste paper pulp to improve slurry filtration speed.

SKU **ENZ229** CATEGORY **PULP AND PAPER ENZYMES** USAGE **PAPER CHEMICALS**

CLASSIFICATION **CHEMICAL AUXILIARY AGENT** SOLUBILITY **SOLUBLE IN WATER**

Not restricted for transport

WORKING TEMPERATURE	WORKING PH	SHELF LIFE	APPLICATION RATE
35-65°C	**6.0-10.0**	**12 months**	**100-200g/T**
no optimum stated	no optimum stated	sealed, see storage below	dose in g/T as stated

SPECIFICATION

IDENTITY	
Appearance	**Brown liquid** Typical
Odour	Slight fermentation odor Typical
PHYSICAL	
Density	1-1.12g/ml Typical
Solubility	Soluble in water Typical
WORKING WINDOW	
Temperature	**35-65°C** Typical
pH	**6.0-10.0** 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
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

Pretreat secondary fiber pulp before papermaking.
Significantly improves slurry filtration speed.

Apply to waste paper pulp for high-speed paper machines.
Supports packaging paper production on high-speed machines.

Apply at the net section of the paper machine.
Improves water filtration speed and allows higher machine speed.

Reduce the concentration on the net.
Improves sheet formation and strength index.

DOSAGE

100-200g/T

Application rate in g/T

pH	**6.0-10.0**
Temperature	**35-65°C**
Reaction time	**45-90 minutes**
Pulp	**Secondary fiber (waste paper) pulp**

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/composite-enzymes-for-papermaking-potential-improvement-of-secondary-fibers

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