Cellulase Enzyme For Paper And Pulp Industry

Trichoderma reesei cellulase that improves fiber modification, drainage and deinking in recycled paper.

SKU **ENZ121** CATEGORY **CELLULASE** CAS **9012-54-8** SOURCE ORGANISM **TRICHODERMA REESEI** FORM **LIQUID**

Not restricted for transport

WORKING TEMPERATURE	WORKING PH	SHELF LIFE	APPLICATION RATE
35-55°C	**6.0-7.0**	**12 months**	**0.05%-0.5%**
application temperature; no optimum stated	application pH; no optimum stated	sealed, see storage below	as stated on the product page

SPECIFICATION

IDENTITY

Enzyme	Cellulase Typical
Source	Filamentous fungus Trichoderma reesei after targeted genetic modification Typical
CAS	9012-54-8 Typical

PHYSICAL

Appearance	**Brown liquid** Typical
Density	1-1.1g/ml Typical
Odour	Slight fermentation odor Typical
Solubility	Soluble in water Typical

WORKING WINDOW

pH	6.0-7.0 Typical
Temperature	35-55°C Typical
Reaction time	45-90 minutes Typical
Water ratio	1:7-1:25 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 cellulose fibres in pulp
Relaxes cell wall structure and improves fibre swelling

Process recycled paper
Improves drainage and deinking

Modify fibre in paper and pulp manufacture
Activates cellulose in P and S1 cell wall layers

DOSAGE

0.05%-0.5%
application rate; basis not stated on the product page

pH	**6.0-7.0**
Temperature	**35-55°C**
Reaction time	**45-90 minutes**
Water ratio	**1:7-1:25**

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

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Online: enzymes.bio/product/cellulases-enzyme-for-paper-and-pulp-industry

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