

Biological Pulping Enzyme

Biological pulping enzyme is a liquid multi-enzyme preparation containing hemicellulase and controlled cellulase activity.

CAS No. Mixture (no single CAS)	EC / List No. Mixture (no single EC)	Transport Non-dangerous goods
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Product Information

Biological pulping enzyme is a liquid multi-enzyme preparation containing hemicellulase and controlled cellulase activity.

Specifications

Parameter	Specification
Appearance	Light-yellow to brown liquid
Odour	Slight fermentation
Enzyme activity	>100,000 U/mL
Total bacteria count	≤50,000 CFU/g
pH	3.0–6.0
Density	0.95–1.20 g/mL
Trial dosage, oven-dry pulp	50–150 g/MT
Process pH	6.0–9.0
Treatment time	1–2 hours
Pulp consistency	3.5–15 %

Grade-specific supply limits. The agreed specification and batch COA govern delivery.

Typical Properties

Property	Typical Value
pH	3.0–6.0
Density	0.95–1.20 g/mL

Applications

Pulp pretreatment: Enzyme blend for controlled pretreatment before mechanical refining.

Refining-process evaluation: Process aid for evaluating fibre flexibility and refining demand.

Fibre-bonding development: Preparation for selected fibre swelling and bonding systems.

Packaging / Storage

Item	Information
Packing	20 kg or 200 kg drums; 1,100 kg IBCs
Storage	Keep tightly closed in the original compatible container in a cool, dry area. Protect from excessive heat, direct sunlight, freezing and contamination. Follow the ordered grade label for the storage temperature; the reference preparation temperature is not a universal specification.
Shelf life	Typical shelf life: 12 months in the original sealed packaging under the specified storage conditions.
Handling	Use enclosed low-splash transfer and adequate ventilation. Prevent enzyme mist and dried-residue dust; do not spray or use high-pressure cleaning. Wear suitable gloves, eye protection and work clothing, with respiratory protection where airborne enzyme cannot be adequately controlled.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
Shanghai office	Room 1001, Building A, Caohejing Center, No. 1520 Gumei Road, Xuhui District, Shanghai, China
Telephone / Email	+86-21-54265599 / sales@zxchem.com.cn
Website	www.zxchem.com