A Subsidiary of Cortec® Canada

Bionetix INTERNATIONAL

ISO: 9001 Certified
Quality System Registered

ECL3000™
LIQUID ENZYME CONCENTRATE

PRODUCT DESCRIPTION

ECL3000™ is a high efficiency cellulase enzyme produced by non-pathogenic fungi. This high-purity enzyme exhibits robust performance across a wide range of applications. It is involved in the breakdown of cellulose (a complex carbohydrate found in plant cell walls) into smaller sugars such as glucose, which can then be utilized by organisms. This enzymatic action can enhance processes such as biofuel production, textile processing, paper recycling, food processing, and waste management.

PACKAGING AND STORAGE

Available in 25 kg plastic container.

Store in a cool, dry location, less than 25 °C. Packaging must be kept intact, dry, and away from sunlight. Please follow the recommendations and use the product before the best before date. Contact Bionetix® with questions. Avoid inhalation and eye contact. Avoid excessive skin contact. Try to use the product as soon as possible after opening the original package.



FEATURES AND BENEFITS

- Aids in the breakdown of cellulose
- Helps convert cellulose to fermentable sugars

TYPICAL APPLICATIONS

- Laundry
- Textile production
- Food processing
- Ethanol production
- Animal feed production
- Juice processing
- Pulp and paper industry

SPECIFICATIONS

Description	Brown liquid
Bulk Density	<1.25 g/mL
Stability	12 months
pH	4.0-7.0
Activity	100,000 U/mL*
Effective Temperature	30-75 °C
Effective pH	4.3-6.0 (optimum 4.5-5.0)

**** One cellulase activity unit (U) is defined as the amount of enzyme which degrades 4 mg/mL of CMC (Carboxymethyl cellulose, sodium salt) solution to liberate 1 µmol of reducing sugar (glucose) in one minute at 37 °C and pH 5.5.***

APPLICATION INSTRUCTIONS

For specific dosages, contact your Bionetix® representative.

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