

# ECL1000™

## LIQUID ENZYME CONCENTRATE

### PRODUCT DESCRIPTION

ECL1000™ is a high efficiency amylase enzyme produced by non-pathogenic bacteria. ECL1000™ breaks starch into smaller units composed of glucose (e.g., dextrin) or other low molecular weight sugars. The application of  $\alpha$ -amylase is widely based on the process called liquefaction, when starch viscosity in the presence of  $\alpha$ -amylase drops rapidly, resulting in starch gelatinization. ECL1000™ is highly efficient, leading to its use in a variety of different activities ranging from beverage and ethanol production to the removal of starch stains from laundry.

### 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 starch into smaller molecules
- Helps convert starch to fermentable sugars

### TYPICAL APPLICATIONS

- Food and beverage industry
- Ethanol and biofuel production
- Textile finishing
- Laundry
- Feed manufacturing

### SPECIFICATIONS

Description	Brown liquid
Bulk Density	1.00-1.25 g/mL
Stability	12 months
pH	5.5-7.0
Activity	4000 U/mL*
Effective Temperature	35-90 °C
Effective pH	4.5-8.0 (optimum 5.2-6.2)

\* One  $\alpha$ -Amylase activity unit (U) is defined as the amount of enzyme that liquefies 1 g of soluble starch in one hour at 60 °C and pH 6.0.

### APPLICATION INSTRUCTIONS

For specific dosages, contact your Bionetix® representative.

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**We Work For Nature**

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