

# ECP1300™

## POWDER ENZYME CONCENTRATE

### PRODUCT DESCRIPTION

ECP1300™ is a high-efficiency  $\beta$ -mannanase enzyme produced by non-pathogenic fungi. It is designed for the efficient hydrolysis of mannans and other polysaccharides, which are found in many plant materials. This ability to break down complex polysaccharides into simpler sugars leads to the widespread use of  $\beta$ -mannanase in many industries, including feed, pulp and paper, textile, and bio-fuel production.  $\beta$ -mannanase can also digest guar, making ECP1300™ useful for both the oil drilling process and the formulation of laundry detergents to remove sticky gums and other mannan-based stains.

### PACKAGING AND STORAGE

Available in 25 kg bag.

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

- Hydrolyzes mannans and other polysaccharides
- Degrades  $\beta$ -mannan into MOS
- Helps remove tomato sauce, ice cream, chocolate, gum, and other stains that contain mannan
- Enhances the digestibility of animal feed ingredients for better nutrient absorption
- Facilitates the bleaching process and improves paper quality
- Enhances the breakdown of biomass leading to increased biofuel production

### TYPICAL APPLICATIONS

- Laundry detergents
- Textile processing
- Pulp and paper production
- Oil drilling
- Animal feeds manufacturing
- MOS production
- Waste management
- Biofuel production

### SPECIFICATIONS

|                       |                            |
|-----------------------|----------------------------|
| Description           | Off-white to yellow powder |
| Stability             | 12 months                  |
| pH (1% Solution)      | 5.0-7.0                    |
| Activity              | 3,000 U/g*                 |
| Effective Temperature | 20-65 °C                   |
| Effective pH          | 7.0-12.0                   |

\* One neutral  $\beta$ -mannanase activity unit (U) is defined as the amount of enzyme which degrades 5 mg/mL of LBG solution to liberate 1  $\mu$ mol of reducing sugar (mannose) in one minute at 37 °C and pH 7.0.

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## APPLICATION INSTRUCTIONS

For specific dosages, contact your Bionetix® representative.

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**We Work For Nature**

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