

ECP1611™

POWDER ENZYME CONCENTRATE

PRODUCT DESCRIPTION

ECP1611™ is a high-efficiency protease enzyme with keratinase activity. This specialty enzyme blend is produced by non-pathogenic bacteria and is designed for efficient hydrolysis of both general proteins and keratin-rich substrates. Protease is used in a variety of industries to break proteins into smaller molecules such as polypeptides, oligopeptides, and amino acids. Common applications include laundry and dishwashing detergents, food and feed production, pulp and paper processing, and other industrial activities. The addition of keratinase enhances the action of ECP1611™ for applications such as leather processing that encounter hair or similar substances.

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 simple and complex proteins
- Hydrolyzes natural and denatured proteins (e.g., chicken feather protein)
- Hydrolyzes hair protein
- Hydrolyzes animal, plant, and microbial proteins
- Optimizes leather processing
- Enhances cleaning efficiency
- Increases textile quality
- Enhances animal nutrition

TYPICAL APPLICATIONS

- Laundry and dishwashing detergents
- Food and beverage industry
- Textile production
- Leather processing
- Animal feed production
- Waste management

SPECIFICATIONS

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| Description | Off-white or light yellow powder |
| Stability | 12 months |
| pH (1% Solution) | 5.0-7.0 |
| Activity | 60,000 U/g* |
| Effective Temperature | 20-65 °C |
| Effective pH | 7.0-12.0 |

* One WinoPro activity unit (U) is defined as the amount of enzyme which releases 1.0 µg tyrosine from casein in one minute at 40 °C and pH 7.2.

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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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