



ENZYME INNOVATION
A Division of Specialty Enzymes

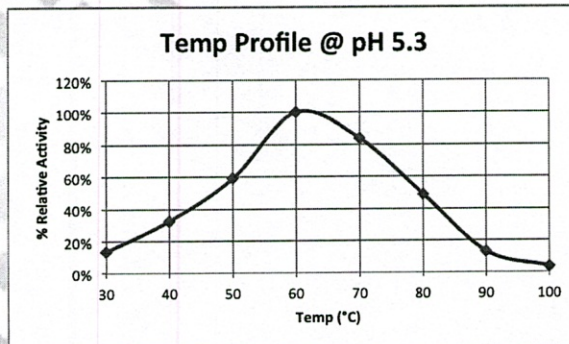
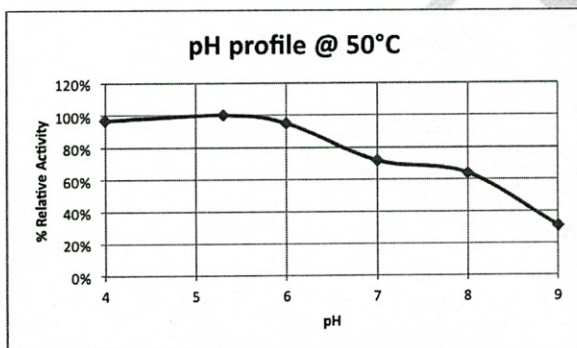
Progenozyme

Description:

Progenozyme is Kosher-certified, Halal-certified, non-synthetic and bio-degradable.

Product Properties:

- Form: cream to light brown powder
- Active Ingredient: beta glucanase
- Declared Activity: 1600 BGU/g
- Solubility: readily soluble in water at all concentrations in normal usage



Working Principle:

Progenozyme is a beta glucanase enzyme capable of catalyzing the breakdown of 1,4-beta-D-glycosidic linkages in cereal grain beta-D-glucans.

Applications & Benefits:

Progenozyme is a unique enzyme complex that catalyzes the breakdown of barley and malt beta-glucans and is capable of solving a range of problems encountered with such high molecular-weight polysaccharides. Because of its tolerance to a wide range of pH and temperatures, **Progenozyme** can be used either in mashing or during fermentation of beer. It reduces wort viscosity, improves solid/liquid separation, lautering and filtration. **Progenozyme** is especially useful when malt quality may be variable or under-modified or when barley is used as an adjunct.

Dosing Recommendations:

The recommended dosage range of **Proganozyme** is 300 g to 400 g per ton of malted barley and other grains. The actual dosage needs to be optimized depending upon factors such as particle size, type of lautering/filtration equipment, pH, temperature, time of treatment, substrate concentration, etc. We recommend adequate testing to determine optimal dosage.

Packaging:

Proganozyme is packaged in tightly sealed double polybags in 25 kg cartons

Storage:

Proganozyme should be stored in a cool, dry place. Storage in unopened containers, at or below 5°C, helps to maintain maximum activity if stored over long periods.

Safety & Handling Precautions:

Enzymes are proteins. Inhalation of dust or aerosols may induce sensitization and may cause allergic reactions in sensitized individuals. Some enzymes may irritate the skin, eyes, and mucous membranes upon prolonged contact. Avoid unnecessary contact with the product and inhalation of any aerosols or dust particles. In case of spillage or contact with the eyes or skin, rinse the affected area promptly with plenty of water.

All spills, however minor, should be removed immediately. Use respiratory protection. Major spills should be carefully shoveled into plastic-lined containers. Minor spills and remains of major spills should be removed by vacuum cleaning or flushing with water (avoid splashing). Customers should review Material Safety Data Sheets for detailed advice regarding the safe handling of enzymes.



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The information contained in this product sheet is general and without warranty as to quality, efficacy, merchantability, or fitness for any purpose. Customers should conduct their own testing to determine the use and effect of this product.

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