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PRODUCT SPECIFICATIONS SHEET

BEX 10,000

Description: Glucanase BEX 10,000 beta glucanase is particularly useful in industrial and agricultural processing applications due to its high degree of stability. This enzyme's resistance to denaturation by higher than moderate temperature and pH extremes makes it particularly durable. This enzyme hydrolyzes beta-D-glucan components, bypassing branch points which often serve as blocking points to other exo-acting enzymes. Despite the fact that Beta-glucanase is the primary enzyme associated with this product, other enzymes providing enhanced action are also present. *Bacillus subtilis* amylase in the product is particularly useful due to its activity upon a broad range of starches.

Beta-glucanase helps break down glucose linked polymers often associated with grains such as barley, oats and wheat. Other products such as soybean meal and locust bean gum are also susceptible to enzyme hydrolysis. Hemi-cellulase activity attacks plant wall components. The presence of soluble calcium has a stabilizing effect on most enzymes of this type.

Ingredients: A water dispersible blend of the extracts of *Bacillus subtilis* and *Aspergillus niger* which includes high concentrations of beta-glucanase and moderate levels of alpha-amylase, xylanase, and hemi-cellulase activities.

Analysis: 10,000 BGU/gm.

Unit Definition: Beta Glucanase - One β -glucanase unit (BGU) is defined as that quantity of enzyme that will liberate reducing sugar (as glucose equivalence) at a rate of 1 μ mol/minute under the conditions of the assay.

Recommended Usage: A multi-enzyme blend for use as an animal feed additive as a concentrated source of hydrolytic (degrading) enzymes for use in industrial products and in enzyme bearing supplements where increased enzyme activity is desired.

Storage Conditions: Store in a cool dry area under 110°F. Half life under these conditions is estimated to be in excess of two years.

Danger: May cause allergy or asthma or breathing difficulties if inhaled. Avoid breathing dust/fume/gas/mist/vapors/spray. In case of inadequate ventilation, wear respiratory protection. Consult Safety Data Sheet before handling and storing this product.

Package Sizes: 25 kg. and 50 lb. boxes

This feed is produced in a facility certified in the AFIA's Safe Feed/Safe Food Certification Program www.safefeedsafefood.org



MADE IN USA