



Product Data Sheet June'08 Update

Product Name: **Bioglucanase TX**
Product Code: **5B06693**
Date Printed: **February 21, 2013**

General Description

Bioglucanase TX is a beta-glucanase enzyme system derived from *Trichoderma reesei* which contains hemicellulase side activities.

Application

Bioglucanase TX can be used in a wide range of applications which involve hydrolysis of non starch polysaccharides and degradation of plant cell walls. In particular **Bioglucanase TX** is effective in the brewing and cereal processing industries.

Brewing

Bioglucanase TX is used when brewing with poor malt or a high inclusion of barley as adjunct. The treatment has a significant effect on mash filtration due to its action of b-glucan and other non starch polysaccharides. Use of **Bioglucanase TX** results in increased throughput, improved extract yield, and elimination of beer haze or filtration problems. Recommended dose rate is 0.01-0.025% on grist.

Cereal Processing

Bioglucanase TX is effective in barley syrup production. In this application it is used in conjunction with **Amylo 300** (amyloglucosidase) and **Bioamylase BAA** (bacterial amylase) to give maximum extract recovery and throughput in the plant. Recommended dose rates on grist are

Bioglucanase TX: 0.015-0.045%

Bioamylase BAA: 0.016%

Amylo 300: 0.016%

Specification

Betaglucanase : 750 BG u/ml

Microbiological Specifications

TE: max.10/ml

Legal Status

Bioglucanase TX meets requirements for food grade enzymes as designated by FCC/JECFA.

Local food regulations should always be consulted with respect to specific applications and necessary declarations. Legislation may vary from country to country.

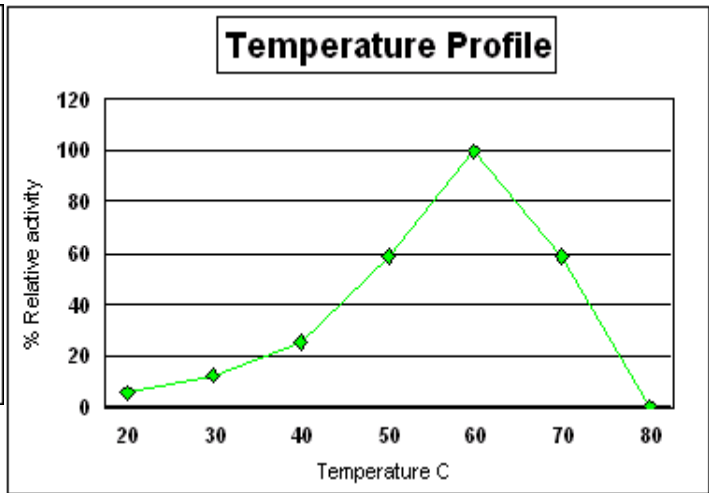
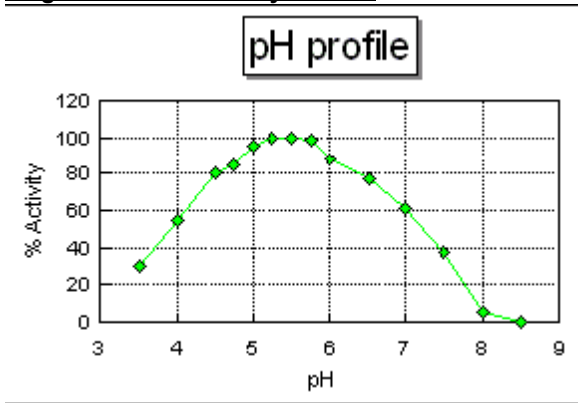
Packaging & Storage

Bioglucanase TX is available in 25 Kg plastic drums and when stored at 18°C or below, will maintain at least 95% activity for a minimum of 12 months. After this time period, reassay is advisable.

Handling Precautions

Enzymes may cause skin or eye irritation and inhalation of aerosol can result in sensitisation of susceptible individuals. Standard handling procedures should be followed to prevent direct contact with the product or inhalation of dust. A separate Material Safety Data Sheet (MSDS) is available on request.

Bioglucanase TX Activity Profiles



pH profile

Optimum pH for **Bioglucanase TX** is pH 5.0. 80% of the maximum activity is found between pH 4.5 and 6.5

Temperature profile

The optimum temperature of **Bioglucanase TX** is 60°C.

Reason for update

June'08 : CD/CR/3376. TE specification from max. 30/ml to max. 10/ml

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