



Product Data Sheet Sept'10 Update

Product Name: **Bioglucanase GB**
 Product Code: **5B06800**
 Date Printed: **February 25, 2013**

General Description

Bioglucanase GB is a beta-glucanase enzyme preparation derived from *Trichoderma longibrachiatum*(formerly *Trichoderma reesei*)which also contains cellulase and hemicellulase activities. The activities present in **Bioglucanase GB** are effective in the degradation of the complex carbohydrates found in plant cell walls.

Application

Treatment with **Bioglucanase GB** in the brewing process results in the degradation of of high molecular weight non starch polysaccharides such as beta-glucan and arabinoxylan. Benefits of using **Bioglucanase GB** include reduced wort viscosity, increased extract, increased run off rates and reduction of beer haze problems. The dose rate used is typically in the range 0.005-0.015% on grist.

Specification

Betaglucanase : 2,000 BG u/ml

Legal Status

Bioglucanase GB 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

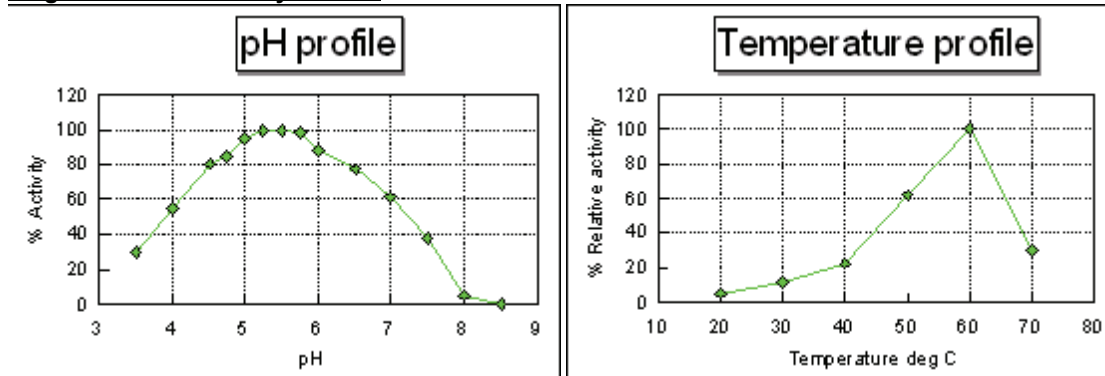
Bioglucanase GB is available in IBCs (1,100 Kg net) or 25 kg drums and when stored at 18°C or below, will maintain at least 95% activity for a minimum of 12 months. After this time period, reassay is advisable.

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 GB Activity Profiles



pH Profile

Optimum pH for **Bioglucanase GB** is pH 5.0. 80% of the maximum activity is found between pH 4.5 and 6.0.

Temperature profile

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

Reason for Update

Product Data Sheet Bioglucanase GB (5B06800)

Sept10 : Amending classification from *Trichoderma reesei* to *Trichoderma longibrachiatum*(formerly *Trichoderma reesei*)

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