



Product Data Sheet

Product Name: Amylo 300
 Product Code: 5B00131
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General Description

Amylo 300 is an amyloglucosidase system derived from a selected strain of *Aspergillus niger*.

Application

Amyloglucosidase can hydrolyse sequentially both exo alpha 1,4 and alpha 1,6 glycosidic linkages and can therefore be used to degrade starch polymers and maltose to glucose. Applications for **Amylo 300** include the production of glucose syrups and low carbohydrate beers.

Specification

Amyloglucosidase activity : 1,100 AG u/ml (-5% to +15%)

Legal Status

Amylo 300 meets requirements for food grade enzymes as designated by JECFA/FCC. Local food regulations should always be consulted with respect to specific applications and necessary declarations. Legislation may vary from country to country.

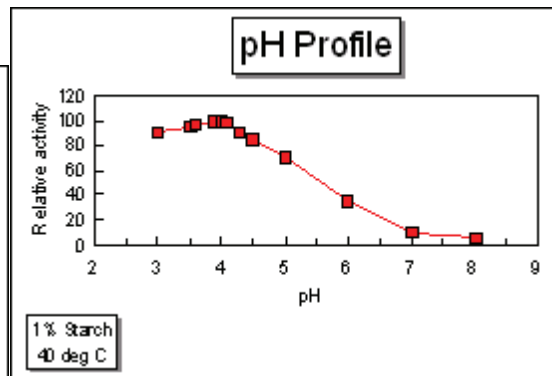
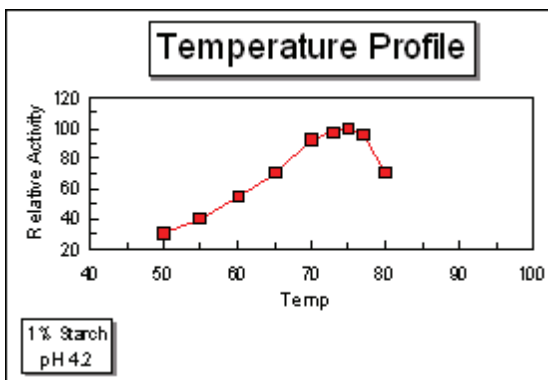
Packaging & Storage

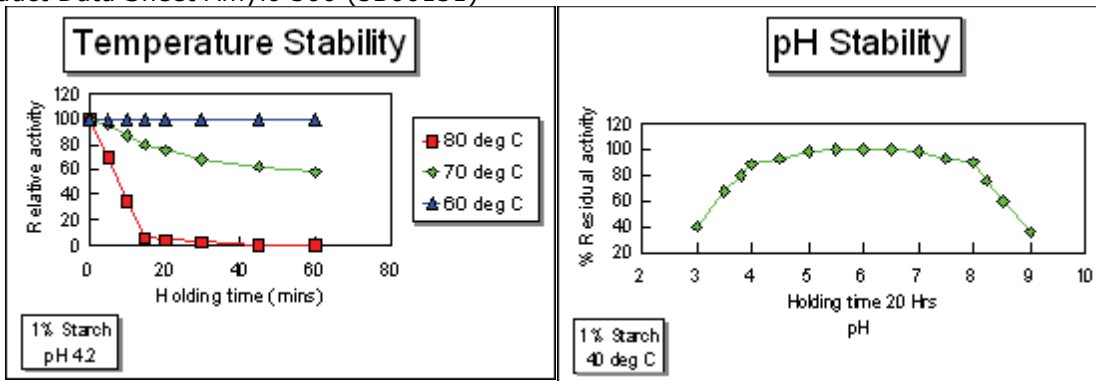
Amylo 300 is available in 25 Kg plastic drums and, when stored at 18°C or below, will maintain at least 95% activity for a minimum of 12 months. After this time period, re assay is advisable.

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 aerosol. A separate Material Safety Data Sheet (MSDS) is available on request.

Amylo 300 Activity Profiles





Temperature Profile

The temperature optimum of **Amylo 300** is 75°C with more than 80% of the maximum activity in the range of 60-78°C. The product is stable up to 60°C but begins to lose activity at 70°C and higher, when held for prolonged periods.

pH Profile

The optimum pH of **Amylo 300** is pH 4.0 with more than 80% of the maximum activity in the range of 3.0-4.5. The product is stable over a wide pH range.

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