

Native *Aspergillus niger* Amyloglucosidase

Cat. No. NATE-0075

Lot. No. (See product label)

Introduction

Description Glucan 1,4- α -glucosidase is an enzyme located on the brush border of the small intestine with system name 4- α -D-glucan glucohydrolase. This enzyme catalyses the following chemical reaction: Hydrolysis of terminal (1- \rightarrow 4)-linked α -D-glucose residues successively from non-reducing ends of the chains with release of β -D-glucose. Most forms of the enzyme can rapidly hydrolyse 1,6- α -D-glucosidic bonds when the next bond in the sequence is 1,4.

Applications Amyloglucosidase from *Aspergillus niger* is used to hydrolyze α -D-glucosides. It may be used in the brewing of beer and in the production of bread and juices. Amyloglucosidase has been used to hydrolyze glycogen into glucose monomers in order to study lipid accumulation in skeletal muscle.

Synonyms glucoamylase; amyloglucosidase; γ -amylase; lysosomal α -glucosidase; acid maltase; exo-1,4- α -glucosidase; glucose amylase; γ -1,4-glucan glucohydrolase; acid maltase; 1,4- α -D-glucan glucohydrolase; EC 3.2.1.3; 9032-08-0

Product Information

Source *Aspergillus niger*

Form aqueous solution

EC Number EC 3.2.1.3

CAS No. 9032-08-0

Activity > 300 U/mL

Concentration ~1.2 g/mL at 25°C