

Native α -Glucosidase from *Bacillus stearothermophilus*

Cat. No. NATE-1163

Lot. No. (See product label)

Introduction

Description Alpha-glucosidase is a glucosidase located in the brush border of the small intestine that acts upon 1,4-alpha bonds. This is in contrast to beta-glucosidase. Alpha-glucosidase breaks down starch and disaccharides to glucose. Maltase, a similar enzyme that cleaves maltose, is nearly functionally equivalent.

Applications α -glucosidase is potential enzyme for the biosynthesis of complex carbohydrates.

Synonyms Alpha-glucosidase; EC 3.2.1.20; maltase; glucoinvertase; glucosidosucrase; maltase-glucoamylase; alpha-glucoamylase; alpha-glucoamylase; alpha-D-glucosidase; alpha-glucoside hydrolase; alpha-1,4-glucosidase; alpha-D-glucoside glucohydrolase

Product Information

Source *Bacillus stearothermophilus*

Form Lyophilized powder containing potassium phosphate buffer salt

EC Number EC 3.2.1.20

CAS No. 9001-42-7

Activity >50 units/mg

Unit Definition One unit will liberate 1.0 μ mole of D-glucose from p-nitrophenyl α -D-glucoside per min at pH 6.8 at 37 $^{\circ}$ C.

Storage and Shipping Information

Storage 2-8 $^{\circ}$ C