

α-Amylase from *Bacillus subtilis*, Recombinant

Cat. No. NATE-1172

Lot. No. (See product label)

Introduction

Description α-Amylase is a protein enzyme EC 3.2.1.1 that hydrolyses alpha bonds of large, alpha-linked polysaccharides, such as starch and glycogen, yielding glucose and maltose. It is the major form of amylase found in Humans and other mammals. It is also present in seeds containing starch as a food reserve, and is secreted by many fungi.

Synonyms glycogenase; αamylase, α-amylase; 1,4-α-D-glucan glucanohydrolase; EC 3.2.1.1; 9001-19-8; endoamylase; Taka-amylase A

Product Information

Source *Bacillus subtilis* subsp. *subtilis* str. 168

Form Supplied in 3.2 M ammonium sulphate

EC Number EC 3.2.1.1

CAS No. 9000-90-2

Molecular Weight 72550.6 Da

Purity > 95 % as judged by SDS-PAGE

Activity 4449.51 U/mg

Concentration 39512 u/ml

Optimum temperature > 37°C

Unit Definition One unit is defined as the amount of enzyme required to release 1 μmol of D-glucose equivalents per minute from soluble starch.

Storage and Shipping Information

Storage Store at 4°C (shipped at room temperature)