

## Native *Bacillus* sp. Amylase, Maltogenic

Cat. No. NATE-0074

Lot. No. (See product label)

### Introduction

#### Description

Glucan 1,4-alpha-maltohydrolase (EC 3.2.1.133, maltogenic alpha-amylase, 1,4-alpha-D-glucan alpha-maltohydrolase) is an enzyme with system name 4-alpha-D-glucan alpha-maltohydrolase. This enzyme catalyses the following chemical reaction: hydrolysis of (1->4)-alpha-D-glucosidic linkages in polysaccharides so as to remove successive alpha-maltose residues from the non-reducing ends of the chains. This enzyme acts on starch and related polysaccharides and oligosaccharides.

#### Applications

Maltogenic amylases (MAse) are commonly used in the starch industry. They are used to hydrolyze starch, pullulan and cyclodextrin and to make novel carbohydrates.

#### Synonyms

Glucan 1,4-alpha-maltohydrolase; EC 3.2.1.133; maltogenic alpha-amylase; 1,4-alpha-D-glucan alpha-maltohydrolase; Glucan 1,4- $\alpha$ -maltohydrolase, Maltogenic Amylase, Novamyl 1000BG

### Product Information

#### Source

*Bacillus* sp.

#### EC Number

EC 3.2.1.133

#### CAS No.

160611-47-2

### Storage and Shipping Information

#### Storage

2-8°C