

## Pectin methylesterase from *Streptomyces avermitilis*, Recombinant

Cat. No. NATE-1225

Lot. No. (See product label)

### Introduction

#### Description

Pectinesterase catalyzes the hydrolysis of the methyl esters of pectin to yield pectate and methanol.

#### Synonyms

Pectinesterase; EC 3.1.1.11; pectin demethoxylase; pectin methoxylase; pectin methylesterase; pectase; pectin methyl esterase; pectinoesterase; pectin pectylhydrolase; 9025-98-3

### Product Information

#### Source

*Streptomyces avermitilis* MA-4680

#### Form

Supplied in 3.2 M ammonium sulphate

#### EC Number

EC 3.1.1.11

#### CAS No.

9025-98-3

#### Molecular Weight

39613.8 Da

#### Purity

> 90 % as judged by SDS-PAGE

#### Activity

27.48 U/mg

#### Concentration

35.72 U/ml

#### Optimum pH

~ 8.5

#### Unit Definition

One unit is defined as the amount of enzyme required to release 1 microequivalent of acid from pectin (5 mg/mL 89 % methyl-esterified) per minute at pH 7.5 and 30°C, in an un-buffered assay containing 100 mM NaCl, as measured titrimetrically using 0.02 M NaOH.

### Usage and Packaging

#### Preparation Instructions

Agitate vial sufficiently to fully homogenise enzyme precipitate before use.

### Storage and Shipping Information

#### Storage

Store at 4°C (shipped at room temperature)