

Mannanase

Cat. No. MFG-0001

Lot. No. (See product label)

Introduction

Description

Feed-grade β -mannanase is a hemicellulose hydrolase that cleaves β -1,4-mannosidic linkages in mannan-containing feed ingredients.

Applications

Complete feed formulations; degradation of dietary mannan in animal feed.

Synonyms

β -Mannanase Endo-1,4- β -mannanase Mannan endo-1,4- β -mannosidase

Product Information

Appearance

Light yellow powder

Form

Powder

EC Number

3.2.1.78

Activity

$\geq 25,000$ U/g

Substrates

Mannans; galactomannans; glucomannans

Grade

Feed grade

Unit Definition

One unit of β -mannanase is the amount of enzyme that hydrolyzes a 3 mg/mL mannan solution to release 1 μ mol of reducing sugar, calculated as mannose, per minute at 37°C and pH 5.5.

Reaction

Random hydrolysis of (1 $\rightarrow$ 4)- β -D-mannosidic linkages in mannans, galactomannans, and glucomannans.

Usage

For complete feed at $\geq 25,000$ U/g: 2-4 g/MT of complete feed. Dilute the product before use.

Usage and Packaging

Package

25 kg/bag

Storage and Shipping Information

Storage

Keep sealed in a cool, dry place and protect from direct sunlight. Shelf life: 12 months at 20°C under dry and cool conditions.