

## Native *Trichoderma viride* Xylanase

Cat. No. NATE-3200

Lot. No. (See product label)

### Introduction

#### Description

Xylanase is the name given to a class of enzymes which degrade the linear polysaccharide beta-1,4-xylan into xylose, thus breaking down hemicellulose, one of the major components of plant cell walls. As such, it plays a major role in micro-organisms thriving on plant sources for the degradation of plant matter into usable nutrients. Xylanases are produced by fungi, bacteria, yeast, marine algae, protozoans, snails, crustaceans, insect, seeds, etc., (mammals do not produce xylanases).

### Product Information

<b>Source</b>	Trichoderma viride
<b>Form</b>	Lyophilized powder
<b>EC Number</b>	EC 3.2.1.8
<b>CAS No.</b>	9025-57-4
<b>Molecular Weight</b>	22 kDa
<b>Activity</b>	100-300 units/mg protein
<b>Unit Definition</b>	One unit will liberate 1 $\mu$ mole of 4-nitrophenol from 4-nitrophenol-xylan per min at pH 4.5 at 30 °C.

### Storage and Shipping Information

<b>Storage</b>	2-8°C
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