

## Native *Trichoderma* sp. Laminarinase

Cat. No. NATE-0377

Lot. No. (See product label)

### Introduction

**Description**  $\beta$ -glucanases degrade  $\beta$ -1,4-glucans of cellulose, xyloglucan and  $\beta$ -1,4-xylan.  $\beta$ -Glucanase represents a group of carbohydrate enzymes which break down glycosidic bonds within beta-glucan. It forms the main constituent of fungal cell walls and could be a potential structural and storage polysaccharide of marine macro-algae. It has the ability to degrade fungal cell walls and may be involved in defense mechanism of plants against pathogenic fungi.

**Synonyms** endo-1,3- $\beta$ -D-glucanase; laminarinase; laminaranase;  $\beta$ -1,3-glucanase;  $\beta$ -1,3-1,4-glucanase; endo-1,3- $\beta$ -glucanase; endo- $\beta$ -1,3 (4)-glucanase; endo- $\beta$ -1,3-1,4-glucanase; endo- $\beta$ -(1 $\rightarrow$ 3)-D-glucanase; endo-1,3-1,4- $\beta$ -D-glucanase; endo- $\beta$ -(1-3)-D-glucanase; endo- $\beta$ -1,3-glucanase IV; endo-1,3- $\beta$ -D-glucanase; 1,3-(1,3; 1,4)- $\beta$ -D-glucan 3 (4)-glucanohydrolase; EC 3.2.1.6; 9074-98-0

### Product Information

**Source** *Trichoderma* sp.

**Form** powder

**EC Number** EC 3.2.1.6

**CAS No.** 62213-14-3

**Activity** 100-400 units/g solid

**Unit Definition** One unit will liberate 1.0 mg of reducing sugar (measured as glucose) from laminarin per min at pH 5.0 at 37°C.

### Storage and Shipping Information

**Storage** 2-8°C