

## Native Laccase from *Cerrena unicolor*

Cat. No. NATE-1578

Lot. No. (See product label)

### Introduction

**Description** Laccase is a blue copper oxidase that reduces molecular oxygen to water. Laccase oxidizes polyphenols, methoxy-substituted phenols and diamines, but not tyrosine. Oxidation by laccase is an one-electron reaction that generates a free radical.

**Applications** Decolorization of dyes Decomposition of phenolic and aromatic compounds

**Synonyms** Laccases; EC 1.10.3.2; 80498-15-3; urishiol oxidase; urushiol oxidase; p-diphenol oxidase; benzenediol:oxygen oxidoreductase

### Product Information

**Source** *Cerrena unicolor*

**Form** Freeze-dried powder, no stabilizing agent added

**EC Number** EC 1.10.3.2

**CAS No.** 80498-15-3

**Specificity** ABTS, Syringaldazine, 2,6-dimethoxyphenol

**Unit Definition** One unit is defined as the amount of enzyme that oxidizes 1.0  $\mu$ mole of ABTS [2,2'-azino-bis(3-ethylbenzothiazoline-6-sulfonic acid)] per minute at Ph 4.5 and 25 °C.

### Storage and Shipping Information

**Storage** store at -20 °C

**Stability** 12 months