

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; urushiol 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 μ 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