

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 Decompostion 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