

## Native Versatile Peroxidase from Bjerkandera adusta

Cat. No. NATE-1580

Lot. No. (See product label)

### Introduction

**Description** Versatile peroxidase (EC 1.11.1.16, VP, hybrid peroxidase, polyvalent peroxidase) is an enzyme with systematic name reactive-black-5:hydrogen-peroxide oxidoreductase. This enzyme catalyses the following chemical reaction: (1) Reactive Black 5 + H<sub>2</sub>O<sub>2</sub> → oxidized Reactive Black 5 + 2 H<sub>2</sub>O (2) donor + H<sub>2</sub>O<sub>2</sub> → oxidized donor + 2 H<sub>2</sub>O Versatile peroxidase is a hemoprotein.

**Synonyms** EC 1.11.1.16; VP; hybrid peroxidase; polyvalent peroxidase

### Product Information

**Source** Bjerkandera adusta

**Form** Freeze-dried brown-coloured amorphous powder, no stabilizing agent added

**EC Number** EC 1.11.1.16

**CAS No.** 114995-15-2;42613-30-9

**Optimum pH** 4.5

**Thermal stability** 15-50 °C

**Specificity** Mn(II), Veratryl alcohol

**Unit Definition** One unit is defined as the amount of enzyme that oxidizes 1.0 μmole of Mn(II) per minute at pH 4.5 and 25 °C.

### Storage and Shipping Information

**Storage** store at -20 °C

**Stability** 12 months