

## Native Bovine Catalase

Cat. No. NATE-0105

Lot. No. (See product label)

### Introduction

**Description** Catalase activates the decomposition of hydrogen peroxide, a reactive oxygen species, into water and oxygen. It functions as a natural antioxidant, protecting cells against oxidative damage to proteins, lipids and nucleic acids. Catalase has also been used to study the role reactive oxygen species play in gene expression and apoptosis.

**Synonyms** EC 1.11.1.6; Catalase; catalase; equilase; caperase; optidase; catalase-peroxidase; CAT; H<sub>2</sub>O<sub>2</sub>:H<sub>2</sub>O<sub>2</sub> oxidoreductase; 9001-05-2

### Product Information

**Species** Bovine

**Source** Bovine Liver

**Form** A partially purified, lyophilized powder.

**EC Number** EC 1.11.1.6

**CAS No.** 9001-05-2

**Activity** Type 1 (Suspension) > 20,000 units per mg; Type 2 (Filtered) > 40,000 units per mg; Type 3 (Lyophilized) > 3,000 units per mg

**Unit** One Unit decomposes one micromole of hydrogen peroxide per minute at 25°C, pH 7.0.

**Definition**

### Storage and Shipping Information

**Storage** All preparations are stable for 12 months at 2-8°C. Lyophilized preparations should be protected from moisture.