

Native *Aspergillus niger* Catalase

Cat. No. NATE-1641

Lot. No. (See product label)

Introduction

Description

Catalase is an enzyme that catalyzes the transformation of hydrogen peroxide into water and oxygen. This enzyme functions as a natural antioxidant protecting the cell against oxidative damage. This enzyme finds applications in Research and Clinical Chemistry. It also finds diverse industrial applications in textiles, waste treatment, cosmetics and as a disinfectant agent.

Synonyms

EC 1.11.1.6; Catalase; equilase; caperase; optidase; catalase-peroxidase; CAT; H₂O₂:H₂O₂ oxidoreductase

Product Information

Source

Aspergillus niger

Form

Liquid

EC Number

EC 1.11.1.6

CAS No.

9001-05-2

Molecular Weight

~ 96kD

Activity

~ 4.9 KU/mg protein

Unit Definition

One Unit will decompose one μ mole of H₂O₂ per minute at pH 7.0 and 25°C, while the H₂O₂ concentration falls from 10.3 mM to 9.2 mM. The rate of disappearance of H₂O₂ is followed by observing the rate of decrease in the absorbance at 240 nm.

Storage and Shipping Information

Storage

4°C