

Native Thermostable Fungi Catalase for Textile Process

Cat. No. NATE-1747

Lot. No. (See product label)

Introduction

Description Catalase is an enzyme that presents in the cells of plants, animals and aerobic (oxygen requiring) bacteria. It promotes the conversion of hydrogen peroxide, a powerful and harmful oxidizing agent, into water and molecular oxygen. It is widely used for removal of H₂O₂ in textile industry, semiconductor and HPPO factory. It saves time and energy and is environmental-friendly. The dosage of this product is 0.01-0.05g/L, and the processing time is 5-20 minutes.

Synonyms hydrogen-peroxide: hydrogen-peroxide oxidoreductase; equilase; caperase; optidase; catalase-peroxidase; CAT; EC 1.11.1.6; 9001-05-2; Catalase

Product Information

Source Thermostable Fungi

Appearance brown to dark brown liquid

EC Number EC 1.11.1.6

CAS No. 9001-05-2

Activity > 350,000 unit/ml (at pH 7.0)

pH Stability pH 4.0-11.0

Optimum pH pH 6.0-8.0

Thermal stability stable at 70°C for one hour

Optimum temperature 35~55°C

Usage and Packaging

Package 20 kg, 200 kg drum and 1 ton bulk

Storage and Shipping Information

Storage avoid a direct ray of light and keep cool.