Creative Enzymes®

Native Thermostable Fungi Catalase for Semiconductor Process

Cat. No. NATE-1748

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	225 kg drum

Storage and Shipping Information

Storage	avoid a direct ray of light and keep cool