

## 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 H<sub>2</sub>O<sub>2</sub> 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

<b>Source</b>	Thermostable Fungi
<b>Appearance</b>	brown to dark brown liquid
<b>EC Number</b>	EC 1.11.1.6
<b>CAS No.</b>	9001-05-2
<b>Activity</b>	> 350,000 unit/ml (at pH 7.0)
<b>pH Stability</b>	pH 4.0-11.0
<b>Optimum pH</b>	pH 6.0-8.0
<b>Thermal stability</b>	stable at 70°C for one hour
<b>Optimum temperature</b>	35~55°C

### Usage and Packaging

**Package** 225 kg drum

### Storage and Shipping Information

**Storage** avoid a direct ray of light and keep cool