

ENZYMES
BY

SORACHIM

Catalase from Microorganism

CAO-519

SPECIFICATIONS

Product name	Hydrogen Peroxide: Hydrogen peroxide oxidoreductase.
EC	1.11.1.6
Appearance	Olive green solution
Activity	> 150,000 U/ml
Stability	Stable at 2 - 8 °C for at least 12 months
Molecular weight	53,000
Optimum pH	7.2 - 9.0
Optimum temperature	35 - 40 °C
pH Stability	pH 6.2 - 8.9 (25°C, 16hr)
Thermal stability	below 35°C (pH 7.0, 30min)

E
N
Z
Y
M
E
S

ENZYMES BY

SORACHIM

Catalase from Microorganism

CAO-519

SPECIFICATIONS

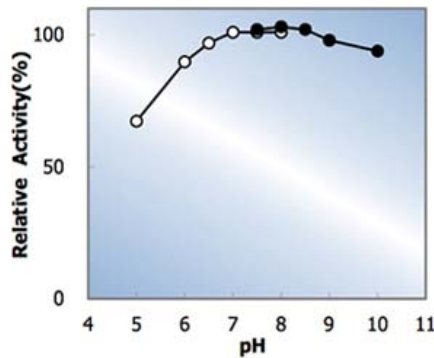


Fig.1 pH-Activity

[in 10mM buffer solution: pH 5-8, K-phosphate; pH 7.5-10, Tris-HCl]

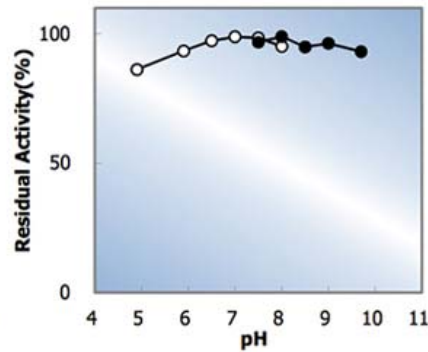


Fig.3 pH-Stability

[in 10mM buffer solution: pH 5-8, K-phosphate; pH 7.5-10, Tris-HCl. Enzyme concentration: 1U/ml]

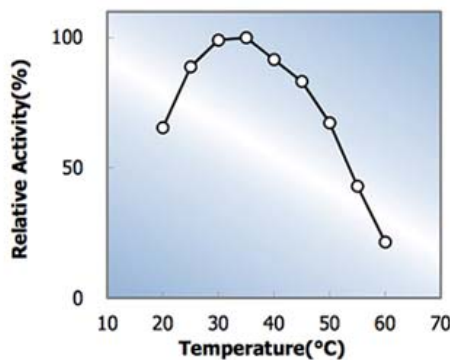


Fig.2 Temperature activity

[in 10mM K-phosphate buffer, pH 7.0]

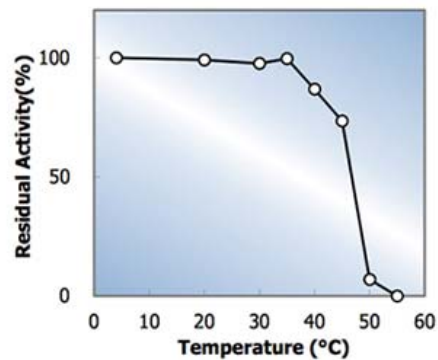


Fig.4 Thermal stability

[30min-treatment with 10mM K-phosphate buffer, pH 7.0. Enzyme concentration: 200U/ml]