

Certificate of Specification

Sarcosine Oxydase (KSAO-100E)

Batch#

Expiry:

Specifications

Product name	Sarcosine:oxygen oxidoreductase (demethylating)
EC	1.5.3.1
Appearance	Yellowish amorphous powder, lyophilized
Activity	15 U/mg-solid or more
Contaminants	Catalase $\leq 1\%$
Stabilizers	Sugars
Stability	Stable at - 20 °C for at least 15 months
Molecular weight	Approx. 50,000 (by SDS-PAGE)
Isoelectric point	5.2 $\pm$ 0.1
Michaelis constants	4.5 $\times 10^{-3}$ M
Inhibitors	Cu ²⁺ , Ag ⁺ , Hg ²⁺ , Zn ²⁺
Optimum pH	7.0 - 9.0
Optimum temperature	50 °C
pH Stability	pH 6.0–10.5
Thermal stability	below 60 °C

Storage : Room Temperature

The batches meet the range of specifications according to the above information.

Certifications are confirmed and signed according to the batch specifications.

Date: