

Sarcosine Oxidase from microorganism

Product Code: 193770

EC no: 1.5.3.1

SKU: 193770

Category: [Enzymes](#)

PRODUCT DESCRIPTION

SPECIFICATIONS:

EC 1.5.3.1

Product name: Sarcosine: oxygen oxidoreductase (demethylating)

Appearance: Yellowish amorphous powder, lyophilized

Activity: Grade III, 8 U/mg-solid or more

Contaminants: Catalase \leq 1%

Stabilizers: Potassium chloride

Stability: Stable at -20 °C for at least 12 months

Molecular weight: Approx. 43,000 (by SDS-PAGE)

Isoelectric point 4.8 \pm 0.1

Inhibitors: Cu²⁺, Ag⁺, Hg²⁺, p-chloromercuribenzoate, N-ethylmaleimide, SDS

Optimum pH: 7.5-8.5

Optimum temperature: 55-60 °C

pH Stability: pH 6.0–9.5 (25 °C, 20hr)

Thermal stability: below 60 °C (pH 7.5, 30min)