

**Sarcosine Oxidase from microorganism**

**Product Code:** 193770

**EC no:** 1.5.3.1

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**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:** Cu<sup>2+</sup>, Ag<sup>+</sup>, Hg<sup>2+</sup>, 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)