

**Uricase from Candida sp.**

**Product Code:** 172672

**EC no:** 1.7.3.3

---

**SKU:** 172672

**Category:** [Enzymes](#)

## PRODUCT DESCRIPTION

### SPECIFICATIONS:

#### EC 1.7.3.3

**Product name:** Urate: oxygen oxidoreductase

**Appearance:** white amorphous powder lyophilized

**Activity:** Grade II, 4.0 U/mg-solid or more (containing approx.20% of stabilizers)

**Contaminants:** Catalase  $\leq$  1.0%

**Stabilizers:** Borate, EDTA, non-ionic detergents

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

**Molecular weight:** Approx. 120,000

**Structure:** 4 subunits per molecule (Reactive SH groups are present in the enzyme molecule)

**Isoelectric point** 5.4

**Michaelis constants:**  $2.5 \times 10^{-5}$  M (Uric Acid)

**Inhibitors:** Heavy metal ions, cyanide, various urate analogs

**Optimum pH:** 8.5

**Optimum temperature:** 40°C

**pH Stability:** pH 7.0–11 (25°C, 20hr)

**Thermal stability:** Below 50 °C (pH 8.5, 10min)