

**Uricase from Bacillus sp.**

**Product Code:** 172673

**EC no:** 1.7.3.3

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**SKU:** 172673

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

## PRODUCT DESCRIPTION

### SPECIFICATIONS:

#### EC 1.7.3.3

**Product name:** Urate: oxygen oxidoreductase

**Appearance:** white amorphous powder lyophilized

**Activity:** Grade II, 1.5 U/mg-solid or more

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

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

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

**Molecular weight:** Approx. 150,000

**Structure:** 4 subunits per molecule

**Isoelectric point** 4.7

**Michaelis constants:**  $1.36 \times 10^{-5}$  M (Uric acid)

**Inhibitors:** Ag<sup>+</sup>, Hg<sup>++</sup>

**Optimum pH:** 8.5

**Optimum temperature:** 45°C

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

**Thermal stability:** Below 60 °C (pH 8.0, 10min)