

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: $2.5 \times 10^{-5} \text{M}$ (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)