

Uricase from Bacillus sp.

Product Code: 172673

EC no: 1.7.3.3

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: 1.36×10^{-5} M (Uric acid)

Inhibitors: Ag⁺, Hg⁺⁺

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)