

Creatinase from microorganism

Product Code: 173618

EC no: 3.5.3.3

SKU: 173618

Category: [Enzymes](#)

PRODUCT DESCRIPTION

SPECIFICATIONS:

EC 3.5.3.3

Product name: Creatine amidinohydrolase

Appearance: White amorphous powder lyophilized

Activity: Grade II, 4.0 U/mg-solid or more

Contaminants: NADH oxidase $\leq 5.0 \times 10^{-2} \%$, Catalase $\leq 2.0\%$

Stabilizers: Sugars, EDTA

Stability: Stable at - 20 °C for at least one year

Molecular weight: Approx. 67,000 by gel filtration

Isoelectric point 4.5 ± 0.1

Michaelis constants: 4.5×10^{-3} M (Creatine)

Inhibitors: Hg^{2+} , Cu^{2+} , Ag^{+} , SH reagent (NEM), PCMB

Optimum pH: 6.5 – 7.5

Optimum temperature: 40 - 50°C

pH Stability: pH 4.0 – 10.0 (25 °C, 20hr)

Thermal stability: Below 50 °C (pH 7.5, 30min)