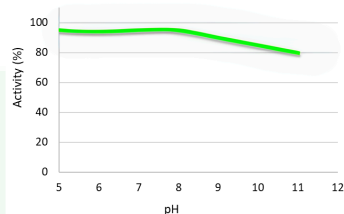


SPECIFICATIONS

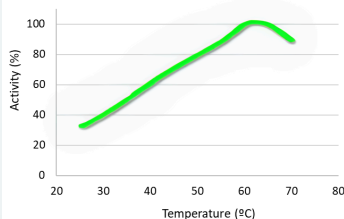
Creatininase from microorganism CNH-011C

Product name	Creatinine amidohydrolase
EC	3.5.2.10
Appearance	White amorphous powder lyophilized
Activity	600 U/mg-solid or more
Contaminant	Catalase ≤ 0.5 %
Stabilizers	Sucrose
Stability	Stable at −20°C for at least 15 months
Molecular weight	approx. 175,000
Isoelectric point	4.7
Michaelis constants	3.2×10^{-3} M (Creatinine), 4.7×10^{-3} M (Creatine)
Structure	6 subunits per mol of enzyme
Inhibitors	Ag ⁺ , Hg ²⁺
Optimum pH	6.5–7.5
Optimum temperature	70 °C
pH Stability	pH 7–11
Thermal stability	below 70 °C

CNH-011C pH activity



CNH-011C Temperature activity



CNH-011C Stability liquid form (37°C)

