

Nagase Enzymes

Hydrogen Decomposing Enzyme

REYONET 200 EP

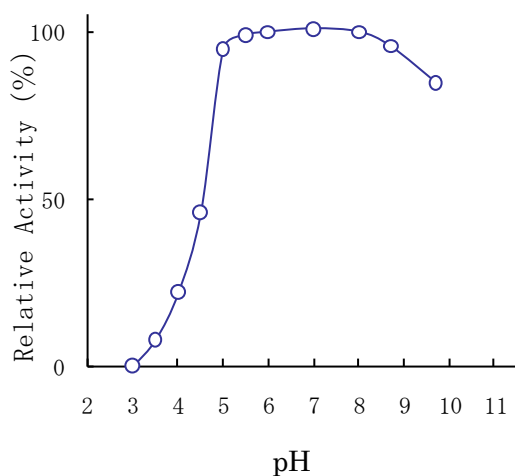
REYONET 200 EP is a liquid-type catalase preparation produced by the **genus *Micrococcus***.

REYONET 200 EP catalyzes effectively the decomposition of hydrogen peroxide to water and oxygen.

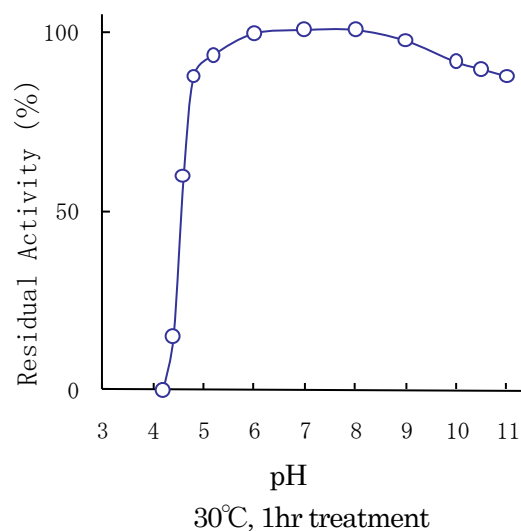


General Properties of REYONET 200EP

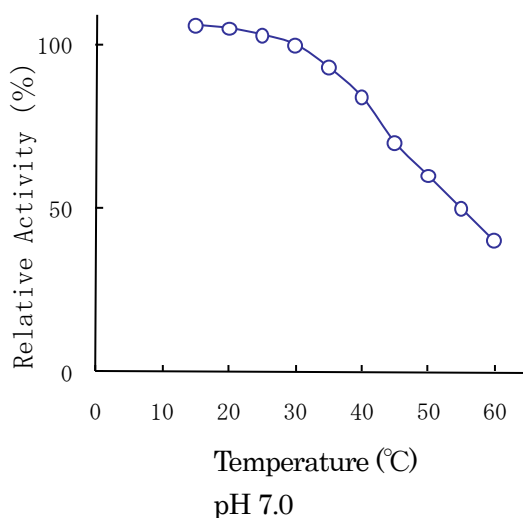
(1) pH Activity



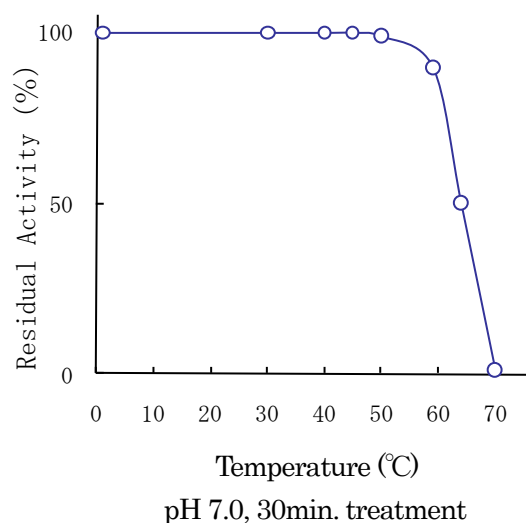
(2) pH Stability



(3) Temperature Activity



(4) Thermal Stability



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Definition of Activity

Add to mix 1.0ml of enzyme solution with 5ml of 10mM H_2O_2 solution (pH 7.0, 50mM phosphate buffer) and keep the mixture for 5 minutes at 30°C. Under these conditions, 1 CtUN is defined as the activity which decomposes 1 μ mole of H_2O_2 per minute.

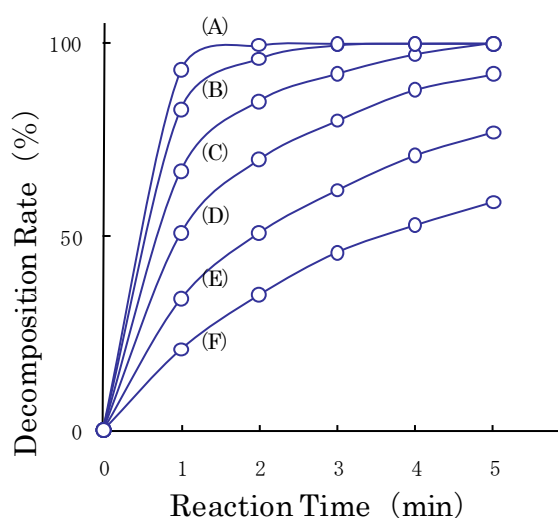
Grade

REYONET 200 EP

200,000 CtUN/ml (Liquid)

Applications

(1) Decomposition of Various Concentration H_2O_2 solution by REYONET 200 EP .



Concentration of H_2O_2

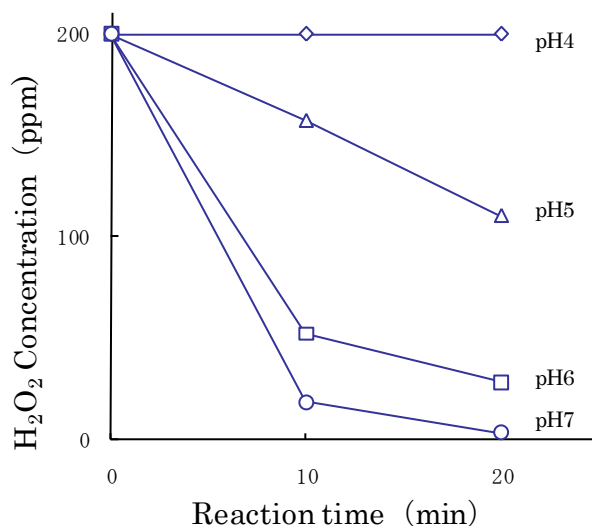
- (A) 0.036%
- (B) 0.072%
- (C) 0.144%
- (D) 0.288%
- (E) 0.576%
- (F) 1.152%

Temperature : 30°C

pH : 7.0

Enzyme Dosage : 4,800 CtUN/g H_2O_2

(2) Decomposition of Low Concentration H_2O_2 solution by REYONET 200 EP .



REYONET 200 EP

12,500 CtUN/g H_2O_2

20°C

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