

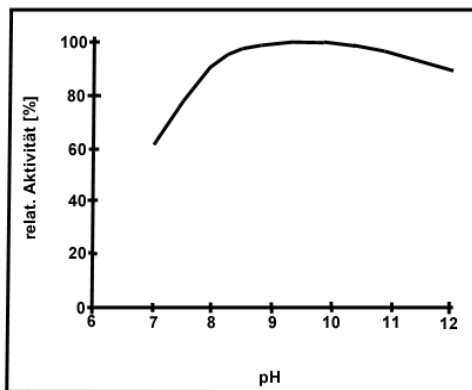
Protease A-01

Subtilisin, EC 3.4.21.62

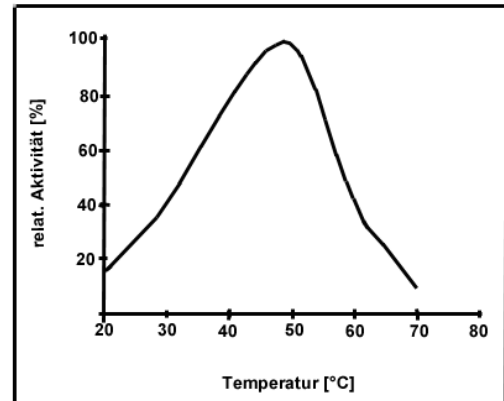
Description:	Alkaline protease for splitting of insoluble, protein-containing residues into easily soluble or dispersible peptide.
Origin:	<i>Bacillus</i> , genetically modified
Application:	degradation of protein-containing residues in laundries and dish-washer
Activity:	1.100 U/ml (method: ASA Spezialenzyme GmbH)
Dosage:	20 – 100 ml per m ³ washing liquor or 200 kg fiber
Parameters of reaction:	<u>pH</u> optimum 9.0 50 % rel. activity at pH 7.0 and pH 12.0 <u>temperature</u> optimum 50°C 50 % rel. activity at 30°C and 60°C
Order-no.:	3675
Form of delivery:	brown liquid with typical odour
Storage	below 20°C, do not freeze
Stability:	6 months at 20°C in a closed container

Protease A-01 from Bacillus

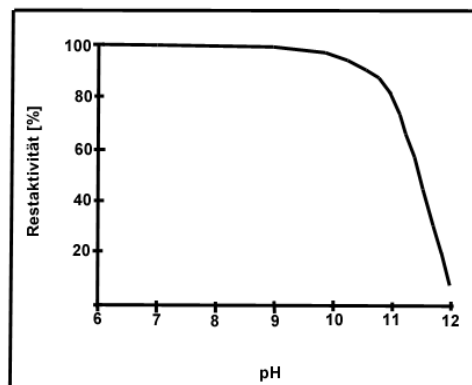
Temperature/pH activity- and stability data



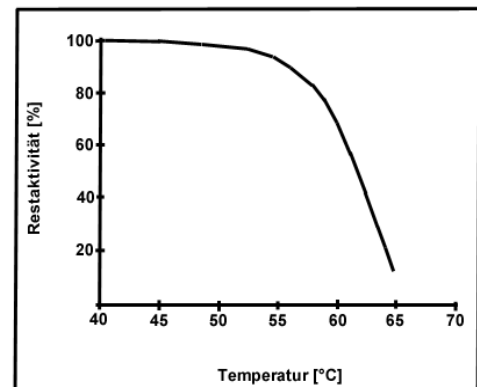
III.1: Activity of Protease A-01 at different pH
(Enzyme: 0,3 U/L; Temp: 25°C,1; 10 min)



III.2: Activity of Protease A-01 at different Temperatures
(Enzyme: 0,3 U/L; pH: 10,1; 10 min)



III.3: Stability of Protease A-01 at different pH
(Enzyme: 0,3 U/L; Temp: 25°C,1; 24 h)



III.4: Stability of Protease A-01 at different Temperatures
(Enzyme: 0,6 U/L; pH: 9,0; 10 min)