

cument Type le	Product Specification Alkaline Phosphatase, ALPI8T	SPEC 078X. Page 1 of
Product:	ALKALINE PHOSPHATASE	
Product code:	ALPI8T	
E.C. number:	3.1.3.1	
CAS number:	9001-78-9	
EINECS number:	232-631-4	
Systematic name:	Orthophosphoric-monoester phosphohydrolase (alkaline optimum).	
Alternative name:	Alkaline phosphomonoesterase; Phosphomonoesterase; Glycerophosphatase.	
Source:	Bovine intestinal mucosa.	
Form:	A clear, almost colourless solution in 0.03M triethanolamine buffer pH 7.6 containing 3M sodium chloride, 0.005M magnesium chloride and 0.0002M zinc chloride.	
Storage conditions:	Store at 2°C to 8°C. DO NOT FREEZE.	
Unit definition:	That amount of enzyme causing the hydrolysis of or <i>p</i> -nitrophenyl phosphate per minute at 37°C and pH (diethanolamine buffer).	
Specific activity:	Not less than 2600 DEA U/mg protein.	
Bovine IgG: FPLC analysis:	Not detectable. Greater than 90% pure by molecular exclusion chro	matography.
	Typical properties:	
Protein Concentration:	10-25 mg/ml (Determined by Biuret procedure).	
Available amino groups:	8 - 13 moles amino groups per mole enzyme.	
Carbohydrate content:	4.0 - 6.5%.	

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