

<b>Product:</b>	<b>ALKALINE PHOSPHATASE</b>
<b>Product code:</b>	<b>ALPIW1</b>
<b>E.C. number:</b>	3.1.3.1
<b>CAS number:</b>	9001-78-9
<b>EINECS number:</b>	232-631-4
<b>Systematic name:</b>	Orthophosphoric-monoester phosphohydrolase (alkaline optimum).
<b>Alternative name:</b>	Alkaline phosphomonoesterase; Phosphomonoesterase; Glycerophosphatase.
<b>Source:</b>	Bovine intestinal mucosa
<b>Form:</b>	A freeze-dried material
<b>Storage conditions:</b>	Store desiccated at -15°C or below. Allow to come to room temperature before opening. Before returning to storage, re-desiccate under vacuum over silica gel for a minimum of four hours. Re-seal before returning to -15°C or below.
<b>Unit definition:</b>	That amount of enzyme causing the hydrolysis of one micromole of <i>p</i> -nitrophenol phosphate per minute at 25°C and pH 9.6 (glycine buffer).
<b>Activity:</b>	Not less than <b>2.0 U/mg protein</b> (approximately 1.0 U/mg material).
<b>Solubility:</b>	Dissolves readily at 5mg/ml in 0.025M glycine containing 10% glycerol, 1mM magnesium chloride, 0.1mM zinc chloride, pH 9.6 to give a clear solution.