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Product Specification

Product Name:

 β -Lactamase from *Enterobacter cloacae* - Type III, lyophilized powder, 6-18 units/mg protein (using benzylpenicillin)

Product Number:

P4399

CAS Number:

9073-60-3

TEST

Specification

Appearance (Form)	Powder
Lyophilized	
Appearance (Colour)	White to Faint Yellow
Solubility (Solvent)	Water
Solubility (Conc)	0.90 - 1.10 mg/ml
Solubility (Turbidity)	Clear
Solubility (Color)	Colorless
Protein Content (Method)	Biuret
Prot. Content (% Protein)	5.00 - 15.00 %
Enzym. Assay (Spec. Activity)	6.00 - 18.00 U/mgP
Storage Conditions	Desiccated and Under Argon
Unit Definition	-----
One unit will hydrolyze 1.0 μ mole of benzylpenicillin per min at pH 7.0 at 25 °C. This International Unit (using benzylpenicillin as substrate) is approximately equal to 600 Levy or 75 Pollock units.	
Recommended Retest Period	-----
5 Years	

Specification: PRE.1.ZQ5.10000004316

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.