



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-205808  
Lot Number: SAMPLE  
Product Name: Piperacillin sodium  
CAS Number: 59703-84-3  
Molecular Formula:  $C_{23}H_{26}N_5NaO_7S$   
Molecular Weight: 539.54

Test	Specification	Result
Appearance		White powder
Assay (anhydrous basis)		90.4 %
Identification		Complies
pH		5.7
Solubility	3.0% aqueous solution, using frequent agitation	Completely soluble, colorless to pale solution.
Solution (Clarity)		< 0.5#
Solution (Color)		<1#
Infrared Spectrum	KBr pellet technique	Complies
Specific Rotation		+ 178.0 °
Alkali Metal Test	Dry or solution sample on platinum wire in non luminous flame.	Positive for sodium
Impurity	Insoluble	Complies
Water Content		0.76%
Bacteria		Complies
Pyrogen		Complies

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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