



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-202951
Lot Number: SAMPLE
Product Name: Ampicillin sodium salt, cell culture grade
CAS Number: 69-52-3
Molecular Formula: $C_{16}H_{18}N_3NaO_4S$
Molecular Weight: 371.39

Test	Specification	Result
Appearance	White to light-yellow powder	Off-white powder
Identification (Infrared Spectrum)		Complies
Purity	$\geq 91.0\%$ (anhydrous basis)	94.7%
pH	8.0 - 10.0 (2g/20ml in water)	9.21
Solubility	Soluble in water (50 mg/ml)	Soluble in water (50 mg/ml)
Impurity	Methylene chloride: $\leq 0.2\%$	0.01%
Potency	$\geq 845 \mu\text{g/mg}$ (anhydrous basis)	947 $\mu\text{g/mg}$
Water Content (KF)	$\leq 2.0\%$	0.8%
Bacterial Endotoxins	$\leq 0.15 \text{ EU/mg}$	Complies
Suitability	Suitable for cell culture	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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