



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-205358
Lot Number: SAMPLE
Product Name: Kanamycin A
CAS Number: 59-01-8
Molecular Formula: $C_{18}H_{36}N_4O_{11}$
Molecular Weight: 484.50

Test	Specification	Result
Appearance	White or almost-white crystalline powder	Complies
Purity (HPLC)		99.1%
Solubility	Water and alcohol	Complies
Specific Rotation	+112° - +123°	+121°
Acidity	pH 6.5 - 8.5	8.0
Impurity	≤ 4% by TLC (Kanamycin B)	< 2% (Kanamycin B)
Loss on Drying	≤ 1.5%	0.40%
Potency	≥ 750 U/mg (dried substance)	770 U/mg (dried substance)
Sulfated Ash	≤ 0.5%	0.05%

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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