



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-203334
Lot Number: SAMPLE
Product Name: Gentamicin sulfate
CAS Number: 1405-41-0
Molecular Formula: $C_{21}H_{43}N_5O_7 \cdot H_2SO_4$
Molecular Weight: 575.67

Test	Specification	Result
Activity	≥ 590 IU/MG (Anhydrous basis)	683 IU/MG
Appearance	White to off-white crystalline powder	Off-white powder
Identification	Passes test	Complies
pH	3.5 - 5.5	4.9
Optical Rotation	+107 to +121°	112.8°
Loss on Drying	$\leq 18\%$	7%
Gentamycin C(1)	25 - 50%	26%
Gentamycin C(1a)	10 - 35%	25%
Gentamycin C(2a) + C(2)	25 - 55%	49%

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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