



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-236885
Lot Number: SAMPLE
Product Name: Sisomicin sulfate salt
CAS Number: 53179-09-2
Molecular Formula: $2C_{19}H_{37}N_5O_7 \cdot 5H_2SO_4$
Molecular Weight: 1385.45

Test	Specification	Result
Appearance	White to off-white crystalline powder	Off-white crystalline powder
Assay (Dried Basis)	$\geq 580 \mu\text{g}/\text{mg}$	648 $\mu\text{g}/\text{mg}$
Identification (LCMS)		Complies
Melting Point	179 - 207 °C	187 - 207 °C
pH	3.5 - 5.5	5.0
Residue on Ignition	$\leq 1.0\%$	0.2%
Specific Rotation	$+100^\circ - +110^\circ$ (c = 1, H ₂ O)	$+100^\circ$
Loss on Drying	$\leq 15.0\%$	8.6%

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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