



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-257635A  
Lot Number: SAMPLE  
Product Name: Kanamycin sulfate  
CAS Number: 70560-51-9  
Molecular Formula:  $C_{18}H_{36}N_4O_{11} \cdot H_2SO_4$   
Molecular Weight: 582.58

Test	Specification	Result
Appearance	White to off-white powder	Complies
Identification	Positive	Complies
Clarity of Solution	$\leq 1$	$< 1$
pH	7.0 - 9.0	8.2
Residue on Ignition	$\leq 0.5\%$	0.06%
Color of Solution	$\leq 3$	2
Specific Rotation		$+120^\circ$
Loss on Drying	$\leq 3.0\%$	0.8%
Potency		759 u/mg
Potency (Dry Basis)	$\geq 760$ u/mg	765 u/mg
Kanamycin B	$\leq 2\%$	1.26%
Sulfate	15.0 - 17.0%	15.9%
Abnormal Toxicity	Pass test	Complies
Pyrogen	Pass test	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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