



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-252932
Lot Number: SAMPLE
Product Name: Kasugamycin hydrochloride from Streptomyces kasugaensis
CAS Number: 19408-46-9
Molecular Formula: $C_{14}H_{25}N_3O_9 \text{ HCl}$
Molecular Weight: 415.82
Native Source: Streptomyces kasugaensis

Test	Specification	Result
Appearance	White to off-white powder	Off-white powder
Identification (^1H -NMR)	Complies to structure	Complies
Identification (^{13}C -NMR)	Complies to structure	Complies
Purity (HPLC)	$\geq 90 \%$	94 %
Solution (Color)	Yellow to tan	Yellow with a tan cast
Solution (Turbidity)	Clear to slightly hazy	Slightly hazy
Carbon Content	36.4 - 44.5 % (anhydrous)	39.5 %
Nitrogen Content	9.1 - 11.1 % (anhydrous)	10.1 %
Water Content (KF)	$\leq 8.0 \%$	6.0 %

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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