



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-203061
Lot Number: SAMPLE
Product Name: Gramicidin A
CAS Number: 11029-61-1
Molecular Formula: $C_{99}H_{140}N_{20}O_{17}$
Molecular Weight: 1882.29
Native Source: *Bacillus brevis*

Test	Specification	Result
Appearance	White to off-white powder	White powder
Identification (1H -NMR)	Consistent with standard reference	Complies
Identification (^{13}C -NMR)	Consistent with standard reference	Complies
Identification (Infrared Spectrum)	Consistent with standard reference	Complies
Identification (Mass Spectrometry)	Consistent with standard reference	Complies
Purity (HPLC)	$\geq 90\%$	90.8%
Solubility	Soluble in DMSO, in the lower alcohols or in acetic acid	Complies
Contamination	Gramicidin C: $\leq 5.0\%$ (HPLC)	Complies
Water Content (KF)	$\leq 5.0\%$	0.65%

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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