



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-204696
Lot Number: SAMPLE
Product Name: Colistin sulfate
CAS Number: 1264-72-8
Molecular Formula: $C_{53}H_{102}N_{16}O_{17}S$
Molecular Weight: 1267.55
Native Source: Bacillus colistinus

Test	Specification	Result
Appearance	White to off-white powder	White powder
Solubility	Soluble in water (50 mg/mL)	Complies
Optical Rotation	$-68^{\circ} \pm 5.0^{\circ}$	-69°
Heavy Metals	≤ 20 ppm	< 20 ppm
Loss on Drying	$\leq 3.5\%$	2.7%
Potency (Dry Basis)	$\geq 19,900$ u/mg	20,350 u/mg
Arsenic	≤ 2 ppm	< 2 ppm
Sulfate	16 -18%	16.8%
Sulfated Ash	$\leq 1.0\%$	0.6%

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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