

Certificate of Analysis

Product Description: Gentamycin Sulfate, USP

Catalog Number: 190057

Lot: YC12004

Formula : N/A

CAS #: 1405-41-0

Physical Description: Off-White Powder

Formula Weight: N/A

Storage: 2 - 8°C

Test	Specification	Result
Identity Test A	Passes	Passes
Identity Test B	Passes	Passes
Potency (dry basis)	>590 µg/mg	686 µg/mg
Potency (as is)	Report Result	616µg/mg
Optical Rotation (10 mg/ml, water)	+107 ° to +121°	+117 °
pH (1 in 25, in water)	3.5 - 5.5	4.6
Loss on Drying	<18.0 %	8.8 %
Residue on Ignition	<1.0 %	0.40 %
Limit of Methanol	<1.0 %	<1.0 %
Content of Gentamicins	C1 = 25 - 50 % C1a = 10 - 35 % C2 + C2a = 25 - 55%	C1 = 27.0 % C1a = 22.4% C2 + C2a = 50.5 %

Recommended Retest Date(MM/DD/YYYY): 12/02/2025



12/07/2022 - Lily Liu
MP Biomedicals, LLC.
QM

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