

**MP Biomedicals, LLC**

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Certificate of Analysis

Product Description: Gentamycin Sulfate, USP

Catalog Number: 190057

Lot: 1664J

Formula: N/A

CAS #: 1405-41-0

Physical Description: Off-white Powder

Formula Weight: N/A

Storage: +4°C

Test	Specification	Result
Identity Test A	Passes	Passes
Identity Test B	Passes	Passes
Potency (dry basis)	$\geq 590 \mu\text{g/mg}$	659 $\mu\text{g/mg}$
Potency (as is)	Report Result	605 $\mu\text{g/mg}$
Optical Rotation (10 mg/ml, water)	+107° to +121°	+110°
pH (1 in 25, in water)	3.5 - 5.5	4.66
Loss on Drying	$\leq 18.0 \%$	5.57%
Residue on Ignition	$\leq 1.0\%$	0.1%
Limit of Methanol	$\leq 1.0\%$	Passes
Content of Gentamicins	C ₁ = 25 - 50% C _{1a} = 10 - 35% C ₂ + C _{2a} = 25 - 55%	25.10% 32.47% 42.43%
Expiration Date	Month/Day/Year	12/31/09

Bacterial Endotoxins: NMT 1.67 I.U./mg
Sulphate: 34.1%

03/24/2006 - Robert Beattie

MP Biomedicals, LLC.

Technical Director

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Online Ordering, MSDSs, certificates of analysis and data sheets now available on our web site

Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)