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Certificate of Analysis

Product Description: Gentamycin Sulfate, USP_**Catalog Number:** 190057_**Lot:** 5147K_**Formula:** N/A**CAS #:** 1405-41-0**Physical Description:** 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)	≥ 590 µg/mg	636 µg/mg
Potency (as is)	Report Result	588 µg/mg
Optical Rotation (10 mg/ml, water)	+107° to +121°	+112°
pH (1 in 25, in water)	3.5 - 5.5	4.6
Loss on Drying	≤ 18.0 %	7.8%
Residue on Ignition	≤ 1.0 %	0.1%
Limit of Methanol	≤ 1.0 %	0.0%
Content of Gentamicins	C ₁ = 25 - 50% C _{1a} = 10 - 35% C ₂ + C _{2a} = 25 - 55%	25% 33.7% 41.3%
Expiration Date	Month/Day/Year	03/31/2013

Endotoxin: 0.3 EU/mg

MP Biomedicals, LLC.

Technical Director

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

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