

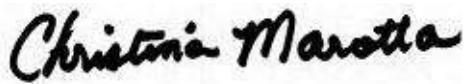
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## Certificate of Analysis

**Product Description:** Spectinomycin Sulfate  
**Catalog Number:** 158993  
**Lot:** QR10206**Formula:** C<sub>14</sub>H<sub>24</sub>N<sub>2</sub>O<sub>7</sub>·H<sub>2</sub>SO<sub>4</sub>  
**CAS #:** 23312-56-3  
**Physical Description:** White Powder**Formula Weight:** 430.4  
**Storage:** +4°C

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥98%	98%
FTIR	Conforms to Reference	Conforms to Reference
Melting Point	189-196°C	193.0-194.5°C

Specific Optical Rotation: +12°  
Residue on Ignition: 0.1%  
pH: 4.25  
Crystallinity: Conforms  
Potency (as-is): 522 µg/mg  
Loss on Drying: 11.62%  
Recommended Retest Date: 02/28/2016



01/23/2015 - Christina Marotta  
MP Biomedicals, LLC.  
Technical Director

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