



**MP Biomedicals, LLC**

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## Certificate of Analysis

**Product Description:** Geneticin® Disulfate Salt, cell culture grade  
**Catalog Number:** 158782  
**Lot:** YB1205

**Formula:**  $C_{20}H_{40}N_4O_{10} \cdot 2(H_2SO_4)$   
**CAS #:** 108321-42-2  
**Physical Description:** White Powder

**Formula Weight:** 692.7  
**Storage:** 2 - 8°C

Test	Specification	Result
Identity Test	Passes	Passes
Potency	≥450 µg/mg	783 µg/mg
Purity	~98%	98.5%
FTIR	Conforms to Reference	Conforms to Reference
OD280 (0.1% aq soln)	<0.015	0.011
OD570 (10.0% aq soln)	<0.10	0.012

Water Content (KF): 2.1%  
Specific Optical Rotation: +120°  
Heavy Metals: ≤ 20 ppm  
Recommended Retest Date (MM/DD/YYYY): 09/18/2025

12/23/2021 - John Huang, PhD  
MP Biomedicals, LLC.  
Quality Control Manager

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