



MP Biomedicals, LLC

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Certificate of Analysis

Product Description: Geneticin® Disulfate Salt, cell culture grade.

Catalog Number: 158782_

Lot: M5150_

Formula: C₂₀H₄₀N₄O₁₀·2(H₂SO₄)

CAS #: 108321-42-2

Physical Description: White Powder

Formula Weight: 692.7

Storage: +4°C

Test	Specification	Result
Identity Test	Passes	Passes
Potency	≥450 µg/mg	719 µg/mg
Purity	~98%	~98%
FTIR	Conforms to Reference	Conforms to Reference
OD280 (0.1% aq soln)	<0.015	0.004
OD570 (10.0% aq soln)	<0.10	0.006

Solubility: Clear, Colorless Solution

Water (KF): 9.3%

pH: 5.5

Specific Optical Rotation: +112°

NH₄⁺: <1.0%

Thin Layer Chromatogram: 1 spot

10/11/2012 - Christina Marotta

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)