



MP Biomedicals, LLC

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Certificate of Analysis

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

Catalog Number: 158782.

Lot: Q4235.

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	785 µg/mg (Dried basis)
Purity	~98%	98.5% (HPLC, Dried basis)
FTIR	Conforms to Reference	Conforms to Reference
OD280 (0.1% aq soln)	<0.015	0.014
OD570 (10.0% aq soln)	<0.10	0.037

Solubility: Clear, Colorless Solution

Water (KF): 2.0%

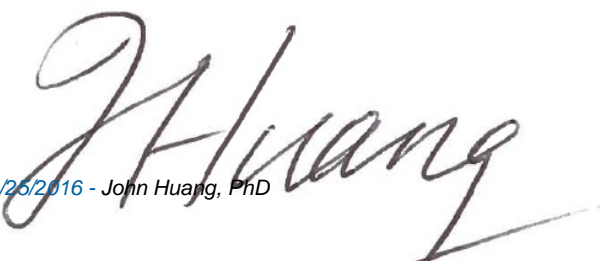
pH: 5.6

Specific Optical Rotation: +120°

NH₄⁺: <1.0%

Thin Layer Chromatogram: 1 spot

Recommended Retest Date: 09/30/2018



05/26/2016 - John Huang, PhD

MP Biomedicals, LLC.
Quality Control Manager

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<http://www.mpbio.com>

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)