



MP Biomedicals, LLC

29525 Fountain Parkway
Solon, Ohio 44139

Telephone: 440/337-1200
Toll Free: 800/854-0530

Fax: 440/337-1180
web: www.mpbio.com

Certificate of Analysis

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

Catalog Number: 158782.

Lot: SR01709.

Formula: C₂₀H₄₀N₄O₁₀·2(H₂SO₄)

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	785 µg/mg
Purity	~98%	Passes
FTIR	Conforms to Reference	Conforms to Reference
OD280 (0.1% aq soln)	<0.015	0.006
OD570 (10.0% aq soln)	<0.10	0.034

Solubility: Clear, Colorless Solution

Water (KF): 3.5%

pH: 5.7

Specific Optical Rotation: +121°

NH₄⁺: <1.0%

Thin Layer Chromatogram: 1 spot

Recommended Retest Date (MM/DD/YYYY): 09/23/2022

09/25/2019 - John Huang, PhD

MP Biomedicals, LLC.

Quality Control Manager

This is an electronically generated document

<mailto:biotech@mpbio.com>

<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)