



GEMINI
BIO-PRODUCTS

Certificate of Analysis

Created August 29, 2018

Product: **Gentamicin Sulfate**
Powder

Catalog #: 400-100P
Lot #: F42S73H

Manufacture Date: Sep 2016
Expiration Date: Sep 2020

TEST	SPECIFICATION	RESULTS
Biological Testing		
Assay (Dried Basis)	≥ 590 µg/mg	676 µg/mg
Endotoxin	≤0.71 EU/mg	<0.71 EU/mg
Physical Testing		
pH @ RT	3.5 - 5.5	4.6
Loss on drying	≤18.0%	6.53%
Residue on ignition	≤1.0%	0.2%
Limit of methanol	≤1.0%	<1.0%
Specific rotation	+107° - +121°	+110°
Content of Gentamicin		
Gentamicin C ₁	25% to 50%	26%
Gentamicin C _{1a}	10% to 35%	26%
Gentamicin C _{2a} + C ₂	25% to 55%	46%

For Cell Culture, further Manufacturing and Research use only. Not for direct Therapeutic use.

Mykhailo M. Cherny 08292018

Created by/ date

Mark Weber 08292018

Verified by/ date