



CERTIFICATE OF ANALYSIS
Gentamicin Sulfate Powder
(Catalog Number 400-100P)

Lot Number: F322039

Storage Temperature: $\leq -10^{\circ}\text{C}$

Recertification Date: 10/2024

For Cell culture, further Manufacturing or Research use only. Not for direct Therapeutic Use.

Test	Methodology	Specification	Analysis
Biological Testing			
Potency		$\geq 590\mu\text{g}/\text{mg}$	648 $\mu\text{g}/\text{mg}$
Physical Testing			
Identification		Positive	Positive
pH		3.5-5.5	4.9
Loss on Drying		NMT 18.0%	6.5%
Residue on Ignition		NMT 1.0%	0.3%
Limit of Methanol		NMT 1.0%	<1.0%
Specific Rotation		+107° - +121°	+117°
Content of Gentamicin		C1a: 10.0% to 35.0% C2+C2a: 25.0% to 55.0% C1: 20.0% - 50.0%	21.0% 53.0% 26.0%

The testing that has been performed as part of this lot release has been reviewed by Quality Assurance personnel and has confirmed that the testing meets the specifications presented on this Certificate of Analysis.

Jequeline Wilson
Name

QA Specialist
Title

16 DEC 2022
Date