

Certificate of Analysis

PRODUCT: **Gentamycin Sulfate, USP Grade**
Sterile Filtered Solution
[Gentimicin Sulfate; Garamycin; Gentiomycin C]
C₂₁H₄₃N₅O₇ • H₂SO₄; M.W. 575.6; CAS# [1405-41-0]
Concentration: 50mg/ml in DI water

PRODUCT NUMBER: G-1068

LOT NUMBER: K1290A

APPEARANCE: Clear colorless to light yellow solution

	<u>SPECIFICATIONS:</u>	<u>RESULTS:</u>
IDENTIFICATION:	Positive	Conforms
SPECIFIC ROTATION:	+107° - +121°	+116.8°
pH:	3.5 - 5.5	4.5
LOSS ON DRYING:	<18.0%	6.55%
RESIDUE ON IGNITION/ SULFATED ASH:	<1.0%	0.24%
LIMIT OF METHANOL:	≤1.0%	<1.0%
GENTAMYCIN C_{1a}:	10% - 35%	23.7%
GENTAMYCIN C₂+C_{2a}:	25% - 55%	48.8%
GENTAMYCIN C₁+C_{2a}:	25% - 50%	27.5%
ENDOTOXINS:	≤0.71 EU/mg	<0.71 EU/mg
ASSAY (dry basis):	≥590 µg/mg	612 µg/mg

STORAGE & HANDLING: Store at +4°C. ***WARNING: HARMFUL!***
CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: KS