

CERTIFICATE OF ANALYSIS

PRODUCT: **Gentamycin Sulfate, Sterile Filtered Soln'**
USP Grade Solution
[Gentimicin Sulfate; Garamycin; Gentiomycin C]
 $C_{21}H_{43}N_5O_7 \cdot H_2SO_4$; M.W. 575.6; CAS# [1405-41-0]
Concentration: 10mg/ml in DI water

PRODUCT NUMBER: G-1068
LOT NUMBER: G1247
APPEARANCE: Clear colorless to light yellow solution

	<u>SPECIFICATIONS:</u>	<u>RESULTS:</u>
IDENTIFICATION:	Positive	Conforms
SPECIFIC ROTATION:	+ 107° - + 121°	+ 117°
pH:	3.5 - 5.5	4.8
LOSS ON DRYING:	< 18.0%	8.3%
RESIDUE ON IGNITION/ SULFATED ASH:	< 1.0%	0.3%
LIMIT OF METHANOL:	≤ 1.0%	< 1.0%
GENTAMYCIN C₁:	25%-50%	25.8%
GENTAMYCIN C_{1a}:	10%-35%	29.5%
GENTAMYCIN C_{2a} + C₂:	25%-55%	44.7%
ENDOTOXINS:	< 0.71 EU/mg	< 0.71 EU/mg
ASSAY (dry basis):	≥ 590 µg/mg	662 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