

Certificate of Analysis

PRODUCT: **Gentamycin Sulfate, USP Grade**
[Gentimicin Sulfate; Garamycin; Gentiomycin C]
C₂₁H₄₃N₅O₇ • H₂SO₄; M.W. 575.6; CAS# [1405-41-0]

PRODUCT NUMBER: G-1067

LOT NUMBER: K1290K (Same as Mother Lot# K1290)

APPEARANCE: White powder

| | <u>SPECIFICATIONS:</u> | <u>RESULTS:</u> |
|---|------------------------|-----------------|
| IDENTIFICATION: | Positive | Conforms |
| SPECIFIC ROTATION: | +107° - +121° | +116.8° |
| pH: | 3.5 - 5.5 | 4.50 |
| 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 C_{2a} + C₂: | 25%-55% | 48.8% |
| GENTAMYCIN C₁ + C_{2b}: | 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 desiccated 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: AB