

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-01-28 15:27:39
Date of Next Testing: 2027-01-27 15:27:39
Product Name: **Gentamycin Sulfate**
CAS Number: 1405-41-0
Specifications & Purity: USP grade
Lot #: A2314195
SKU #: **G100391**
Analysis: 170654
Storage Temperature: Store at 2-8°C, Argon charged

| Parameter | Limit Values | Result |
|---|------------------------------|------------------------------|
| Limit of Methanol | 0-0.3 (%) | 0.14 % |
| PH(4% Water) | 3.5-5.5 | 4.18 |
| Loss on drying | 0-18 (%) | 4.71 % |
| gentamicin c2a+c2 | 25-55 (%) | 27.78 % |
| gentamicin c1a | 10-35 (%) | 16.84 % |
| gentamicin C2B+C1 | 25-50 (%) | 31.86 % |
| Ignition Residue | 0-1 (%) | 0.26 % |
| Specific Rotation [α] ₂₀ /D(c=10 in H ₂ O)(dry basis) | 107-121 (°) | 107.02 ° |
| Assay | ≥590 (ug/mg) | 597.00000 µg/mg |
| Appearance (G100391) | white to light yellow powder | white to light yellow powder |
| Identification | pass | Pass |
| Residual solvents | complies | complies |



John Su
QA & QC Manager