

Certificate of Analysis

Date of Testing: 2021-08-06 15:37:01
Date of Next Testing: 2025-08-05 15:37:01
Product Name: **Gentamycin Sulfate**
CAS Number: 1405-41-0
Specifications & Purity: USP grade
Lot #: H2106057
SKU #: **G100391**
Analysis: 028374
Storage Temperature: Store at 2-8°C, Argon charged

| Parameter | Limit Values | Result |
|---|------------------------------|------------------------------|
| Specific Rotation [α] ₂₀ /D(c=10 in H ₂ O)(dry basis) | 107-121 (°) | 109.23 ° |
| Limit of Methanol | 0-0.3 (%) | 0.15 % |
| PH(4% Water) | 3.5-5.5 | 4.74 |
| Assay | ≥590 (μg/mg) | 690.00 μg/mg |
| Loss on drying | 0-18 (%) | 10.14 % |
| gentamicin c2a+c2 | 25-55 (%) | 25.00 % |
| gentamicin c1a | 10-35 (%) | 10.00 % |
| gentamicin C2B+C1 | 25-50 (%) | 25.00 % |
| Ignition Residue | 0-1 (%) | 0.22 % |
| Appearance (G100391) | white to light yellow powder | white to light yellow powder |
| Identification | pass | Pass |
| Residual solvents | complies | complies |



John Su
QA & QC Manager