

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-04-27 10:56:24

Date of Next Testing: 2029-04-26 10:56:24

Product Name: **Gentamycin Sulfate**

CAS Number: 1405-41-0

Specifications & Purity: PharmPure™, USP

Lot #: D2524249

SKU #: **G100391**

Version: **2**

Analysis #: **497559**

Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                                                                   | Limit Values                 | Result                       |
|-----------------------------------------------------------------------------|------------------------------|------------------------------|
| Limit of Methanol                                                           | 0-0.3 (%)                    | 0.01000 %                    |
| PH(4% Water)                                                                | 3.5-5.5                      | 4.46000                      |
| Loss on drying                                                              | 0-18 (%)                     | 0.00000 %                    |
| gentamicin c2a+c2                                                           | 25-55 (%)                    | 25.10000 %                   |
| gentamicin c1a                                                              | 10-35 (%)                    | 10.50000 %                   |
| gentamicin C2B+C1                                                           | 25-50 (%)                    | 25.30000 %                   |
| Ignition Residue                                                            | 0-1 (%)                      | 0.50000 %                    |
| Assay                                                                       | ≥590 (ug/mg)                 | 690.00000 µg/mg              |
| Specific Rotation [α] <sub>20</sub> /D(c=10 in H <sub>2</sub> O)(dry basis) | 107-121 (°)                  | 107.20000 °                  |
| Appearance (G100391)                                                        | white to light yellow powder | white to light yellow powder |
| Identification                                                              | pass                         | Pass                         |
| Residual solvents                                                           | complies                     | complies                     |



John Su  
QA & QC Manager