

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-12-25 15:40:33

Date of Next Testing: 2029-12-24 15:40:33

Product Name: **D-Gluconic acid sodium salt**

CAS Number: 527-07-1

Specifications & Purity:  $\geq 99\%$

Lot #: L2523423

SKU #: **G278703**

Version: **2**

Analysis #: **626184**

Storage Temperature: Room temperature, Desiccated

| Parameter                                                    | Limit Values                                             | Result                                                   |
|--------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| Purity(Nonaqueous Titration)<br>(calcd. on anhyd. substance) | 98.5-101.5 (%)                                           | 99.95000 %                                               |
| Loss on drying                                               | 0-2 (%)                                                  | 0.02030 %                                                |
| Specific rotation $[\alpha]_{20/D}(c=2, H_2O)$               | +11.0 to +15.0°                                          | 11.77700°                                                |
| Heavy metals(as Pb)                                          | 0-20 (ppm)                                               | 0.00000 ppm                                              |
| Appearance(G178703)                                          | White to Off White to Light yellow<br>Powder or Crystals | White to Off White to Light yellow<br>Powder or Crystals |
| Solubility in Water                                          | Pass                                                     | Pass                                                     |
| Infrared spectrum                                            | Conforms to Structure                                    | Conforms to Structure                                    |



John Su  
QA & QC Manager