

## Certificate of Analysis

Date of Testing: 2023-02-02 08:30:40  
Date of Next Testing: 2027-02-01 08:30:40  
Product Name: **D-Gluconic acid sodium salt**  
CAS Number: 527-07-1  
Specifications & Purity: 99%  
Lot #: A2331103  
SKU #: **G278703**  
**Analysis: 173055**  
Storage Temperature: Desiccated

| Parameter  | Limit Values   | Result   |
|--|--|--|
| Purity(NonaqueousTitration)<br>(calcd.onanh.substance) | 98-102%  | 98.33 %  |
| Loss on drying   | 0-2%   | 0.00 %   |
| Heavy metals(as Pb)                                    | 0-20ppm  | 0.00 ppm   |
| Specific rotation $[\alpha]_{20/D}(c=2, H_2O)$         | +11.0 to +15.0°  | 11.56 °  |
| Appearance(G178703)                                    | White to Off White to Light yellow<br>Powder or Crystals | White to Off White to Light yellow<br>Powder or Crystals |
| Infrared spectrum                                      | Conforms to Structure                                    | Conforms to Structure                                    |
| Solubility in Water                                    | Pass   | Pass   |



John Su  
QA & QC Manager