

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-09-26 11:29:10  
 Date of Next Testing: 2029-09-25 11:29:10  
 Product Name: **D-Gluconic acid solution**  
 CAS Number: 526-95-4  
 Specifications & Purity: 49-53 wt. % in H<sub>2</sub>O  
 Lot #: I2519380  
 SKU #: **G111173**  
 Version: **0**  
 Analysis #: **563507**  
 Storage Temperature: Room temperature

| Parameter                                         | Limit Values                                   | Result                                         |
|---------------------------------------------------|------------------------------------------------|------------------------------------------------|
| Specific Rotation<br>[α] <sub>20</sub> /D(c=Neat) | 9-15.5 (°)                                     | 13.44400 °                                     |
| Purity(Titration by HCl)                          | 48-54 (wt%)                                    | 52.18000 wt%                                   |
| Reducing Substances                               | 0-3 (%)                                        | 2.50000 %                                      |
| Appearance (G111173)                              | Colorless to Light Green-Yellow Viscous Liquid | Colorless to Light Green-Yellow Viscous Liquid |
| Infrared spectrum                                 | Conforms to Structure                          | Conforms to Structure                          |
| Solvent(H <sub>2</sub> O)                         | Conform                                        | Conform                                        |



John Su  
QA & QC Manager