

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-01-10 13:16:54

Date of Next Testing: 2027-01-09 13:16:54

Product Name: **Potassium D-gluconate**

CAS Number: 299-27-4

Specifications & Purity:  $\geq 99\%$

Lot #: A2305808

SKU #: **P108903**

Version: **0**

Analysis #: **159452**

Storage Temperature: Room temperature

| Parameter                                                                               | Limit Values                                 | Result                                       |
|-----------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------|
| Purity(Titration by $\text{HClO}_4$ )(calc. to the dried substance)                     | 99-100 (%)                                   | 99.10000 %                                   |
| Loss on drying(105°C, 4 hrs) (Vacuum)                                                   | 0-3 (%)                                      | 0.78000 %                                    |
| Specific Rotation $[\alpha]_{20/D(c=2 \text{ in H}_2\text{O})}$                         | 10.5-15 (°)                                  | 11.03400 °                                   |
| Heavy metal (as Pb)                                                                     | 0-20 (ppm)                                   | 0.00000 ppm                                  |
| Appearance (P108903)                                                                    | White to Off-White Powder or Solid or Chunks | White to Off-White Powder or Solid or Chunks |
| Solubility in $\text{H}_2\text{O}$ , Colorless ,Clear ,50 mg/mL in $\text{H}_2\text{O}$ | pass                                         | Pass                                         |
| Infrared spectrum                                                                       | Conforms to Structure                        | Conforms to Structure                        |



John Su  
QA & QC Manager