

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-12-01 13:55:48

Date of Next Testing: 2025-11-30 13:55:48

Product Name: **D-Gulono-1,4-lactone**

CAS Number: 6322-07-2

Specifications & Purity:  $\geq 98\%$

Lot #: K2228047

SKU #: **D331820**

Version: **1**

Analysis #: **141100**

Storage Temperature: Store at  $-20^{\circ}\text{C}$ , Argon charged

| Parameter                               | Limit Values                      | Result                            |
|-----------------------------------------|-----------------------------------|-----------------------------------|
| Purity(HPLC area)                       | 98-100 (%)                        | 98.01000 %                        |
| Optical Rotation(C=4%,H <sub>2</sub> O) | -56.5~-53.5 (°)                   | -53.51000 °                       |
| Appearance(D331820)                     | Off-white to light yellow (Solid) | Off-white to light yellow (Solid) |
| NMR Spectrum 1H                         | Conforms to Structure             | Conforms to Structure             |



John Su  
QA & QC Manager