

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-12-01 12:13:56
 Date of Next Testing: 2026-11-30 12:13:56
 Product Name: **L-Gulonic acid γ -lactone**
 CAS Number: 1128-23-0
 Specifications & Purity: $\geq 98\%$
 Lot #: K2229873
 SKU #: **G113705**
 Version: **1**
 Analysis #: **145667**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Melting point	184-188 (°C)	187.79000 °C
Purity(HPLC)	98-100 (%)	99.62900 %
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in H}_2\text{O})$	55-57 (°)	56.14000 °
Solubility in H ₂ O , colorless and clear (50mg/ml)	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure
Appearance (G113705)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals



John Su
QA & QC Manager