

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-08 14:51:12

Date of Next Testing: 2027-06-07 14:51:12

Product Name: **L-Gulonic acid γ -lactone**

CAS Number: 1128-23-0

Specifications & Purity: $\geq 98\%$

Lot #: J1508087

SKU #: **G113705**

Version: **1**

Analysis #: **238023**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in H}_2\text{O})$	55-57 ($^{\circ}$)	56.00000 $^{\circ}$
Melting point	184-188 ($^{\circ}\text{C}$)	187.02600 $^{\circ}\text{C}$
Purity(HPLC)	98-100 (%)	99.38700 %
Appearance (G113705)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , colorless and clear (50mg/ml)	pass	Pass



John Su
QA & QC Manager