

Certificate of Analysis

Date of Testing: 2025-04-08 10:09:55

Date of Next Testing: 2029-04-07 10:09:55

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

CAS Number: 1128-23-0

Specifications & Purity: $\geq 98\%$

Lot #: F2121155

SKU #: **G113705**

Version: **1**

Analysis #: **491191**

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 (°)	55.10°
Melting point	184-188 (°C)	187.70000 °C
Purity(HPLC)	98-100 (%)	98.50000 %
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