

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-10 17:39:06
 Date of Next Testing: 2027-09-10 17:39:06
 Product Name: **D-(+)-Gluconic acid δ -lactone**
 CAS Number: 90-80-2
 Specifications & Purity: Moligand™, ≥99%
 Lot #: I2509403
 SKU #: **G106879**
 Version: **3**
 Analysis #: **561985**
 Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-20 (ppm)	0.00000 ppm
Pb measure	0-10 (ppm)	0.00000 ppm
Purity(HPLC)	99-100 (%)	99.75500 %
Melting point	155-163 (°C)	162.97000 °C
Reducing Substances	0-0.5 (%)	0.50000 %
Specific Rotation $[\alpha]_{20/D(c=10 \text{ in H}_2\text{O})}$	60-67 (°)	60.66900 °
Appearance (G106879)	colorless or White to Off-White Powder or Crystals or Crystalline powder	colorless or White to Off-White Powder or Crystals or Crystalline powder
Solubility in H ₂ O , Colorless to Very Faint Yellow , Clear, 100 mg/mL	pass	Pass
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager