

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-11-29 13:44:54

Date of Next Testing: 2026-11-29 13:44:54

Product Name: **D-(+)-Gluconic acid δ -lactone**

CAS Number: 90-80-2

Specifications & Purity: Moligand™, ≥99%

Lot #: K2422409

SKU #: **G106879**

Version: **3**

Analysis #: **437664**

Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

Parameter	Limit Values	Result
Reducing Substances	0-0.5 (%)	0.10000 %
Heavy metal (as Pb)	0-20 (ppm)	1.00000 ppm
Pb measure	0-10 (ppm)	0.00000 ppm
Purity(HPLC)	99-100 (%)	99.65000 %
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O})$	60-67 (°)	60.30000 °
Melting point	155-163 (°C)	157.60000 °C
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