

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-06-29 13:32:41  
 Date of Next Testing: 2028-06-28 13:32:41  
 Product Name: **D-(+)-Gluconic acid  $\delta$ -lactone**  
 CAS Number: 90-80-2  
 Specifications & Purity: Moligand™,  $\geq 99\%$   
 Lot #: F2626547  
 SKU #: **G106879**  
 Version: **3**  
 Analysis #: **718007**  
 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 (%)	99.52500 %
Specific Rotation $[\alpha]_{20/D(c=10 \text{ in H}_2\text{O})}$	60-67 (°)	60.20000 °
Reducing Substances	0-0.5 (%)	0.50000 %
Melting point	155-163 (°C)	162.98000 °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 <sub>2</sub> 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