

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2024-09-06 14:58:45
Date of Next Testing:	2026-09-06 14:58:45
Product Name:	D-(+)-Gluconic acid δ-lactone
CAS Number:	90-80-2
Specifications & Purity:	99%
Lot #:	L2202122
SKU #	G106879
Version	3
Analysis #:	408359
Storage Temperature:	Argon charged

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-20 (ppm)	9.98 ppm
Melting point	155-163 (°C)	156.05200 °C
Reducing Substances	0-0.5 (%)	0.28 %
Pb measure	0-10 (ppm)	4.98 ppm
Purity(HPLC)	99-100 (%)	99.99000 %
Specific Rotation [a] ₂₀ /D(c=10 in H ₂ O)	60-67 (°)	60.10°
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