

Certificate of Analysis

Date of Testing:	2022-07-22 14:40:34
Date of Next Testing:	2026-07-21 14:40:34
Product Name:	D-(-)-Quinic acid
CAS Number:	77-95-2
Specifications & Purity:	≥98%
Lot #:	G2220868
SKU #	Q109705
Version	0
Analysis #:	034555

Parameter	Limit Values	Result
Purity (Titration by NaOH)	97.5-102.5 (%)	100.50 %
Melting point(Decomposition)	163-168 (°C)	167.69 °C
Specific Rotation [α] ₂₀ /D(c=10 in H ₂ O)	-45--42 (°)	-42.06 °
Purity(GC)	98-100 (%)	98.82 %
Appearance (Q109705)	White to Off-White Powder or Chunks	White to Off-White Powder or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in hot H ₂ O , Colorless to Faint Yellow Clear to Hazy,C=100mg/ml	pass	Pass



John Su
QA & QC Manager