

Certificate of Analysis

Date of Testing: 2022-07-22 15:35:35
Date of Next Testing: 2026-07-21 15:35:35
Product Name: **D-(-)-Quinic acid**
CAS Number: 77-95-2
Specifications & Purity: $\geq 98\%$
Lot #: G2220854
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 $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O})$	-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