

CERTIFICATE OF ANALYSIS

PRODUCT NAME: D-(-)-Quinic acid, analytical standard, $\geq 98\%$

ITEM NUMBER: Q109706
BRAND: Aladdin
CAS NUMBER: 77-95-2
MDL NUMBER: MFCD00003864
FORMULA: C₇H₁₂O₆
MOLECULAR WEIGHT: 192.17

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Appearance	White to Off-White Powder or Solid or Chunks		
Infrared spectrometry	Conforms to Structure		
Melting point(Decomposition)	163 ° C	168 ° C	168 ° C
Purity(GC)	98 %	100 %	100 %
Purity(Titration with NaOH)	97.5 %	102.5 %	102.5 %
Solubility in hot Water	Colorless to Faint Yellow Clear to Hazy, C=100mg/ml		
Specific rotation [α] ₂₀ /D(C=10, H ₂ O)	--42 °	--45 °	--45 °