

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-07-03 11:28:55

Date of Next Testing: 2027-06-23 11:28:55

Product Name: **D-(-)-Quinic acid**

CAS Number: 77-95-2

Specifications & Purity: analytical standard, ≥98%

Lot #: F2526633

SKU #: **Q109706**

Version: **1**

Analysis #: **523836**

Storage Temperature: Room temperature

| Parameter                                                        | Limit Values                                 | Result                                       |
|------------------------------------------------------------------|----------------------------------------------|----------------------------------------------|
| Purity (Titration by NaOH)                                       | 97.5-102.5 (%)                               | 97.65000 %                                   |
| Specific Rotation [α] <sub>20</sub> /D(c=10 in H <sub>2</sub> O) | -45--42 (°)                                  | -42.40900 °                                  |
| Melting point(Decomposition)                                     | 163-168 (°C)                                 | 167.90000 °C                                 |
| Purity(HPLC)                                                     | 98-100 (%)                                   | 99.85800 %                                   |
| Appearance (Q109706)                                             | White to Off-White Powder or Solid or Chunks | White to Off-White Powder or Solid or Chunks |
| Solubility in hot H <sub>2</sub> O , Colorless to Faint Yellow   | pass                                         | Pass                                         |
| Clear to Hazy,C=100mg/ml                                         |                                              |                                              |
| Infrared spectrum                                                | Conforms to Structure                        | Conforms to Structure                        |



John Su  
QA & QC Manager