

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-05-23 17:11:26

Date of Next Testing: 2029-05-22 17:11:26

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

CAS Number: 77-95-2

Specifications & Purity:  $\geq 98\%$

Lot #: E2515559

SKU #: **Q109705**

Version: **0**

Analysis #: **387565**

Storage Temperature: Room temperature

| Parameter                                                                               | Limit Values                        | Result                              |
|-----------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|
| Melting point(Decomposition)                                                            | 163-168 (°C)                        | 163.30000 °C                        |
| Purity (Titration by NaOH)                                                              | 97.5-102.5 (%)                      | 98.00000 %                          |
| Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O})$                        | -45--42 (°)                         | -44.25600 °                         |
| Purity(GC)                                                                              | 98-100 (%)                          | 98.13000 %                          |
| 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 <sub>2</sub> O , Colorless to Faint Yellow Clear to Hazy,C=100mg/ml | pass                                | Pass                                |



John Su  
QA & QC Manager