

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-08-04 09:56:33  
Date of Next Testing: 2029-08-03 09:56:33  
Product Name: **L-(+)-Tartaric acid**  
CAS Number: 87-69-4  
Specifications & Purity:  $\geq 99\%$   
Lot #: L2111358  
SKU #: **T112459**  
Version: **1**  
Analysis #: **550324**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(Neutralization titration)	98.5-101.5 (%)	100.58600 %
Specific Rotation $[\alpha]_{20/D}(c=20 \text{ in H}_2\text{O})$	10.4-14.4 ( $^{\circ}$ )	11.99800 $^{\circ}$
Melting point	164-172 ( $^{\circ}\text{C}$ )	170.04960 $^{\circ}\text{C}$
Appearance (T112459)	White to Off-White Powder, Crystals or Granules	White to Off-White Powder, Crystals or Granules
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O	Almost transparency	almost transparency



John Su  
QA & QC Manager