

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-01-10 14:30:44
 Date of Next Testing: 2029-01-09 14:30:44
 Product Name: **L-(+)-Tartaric acid**
 CAS Number: 87-69-4
 Specifications & Purity: $\geq 99\%$
 Lot #: C2122085
 SKU #: **T112459**
 Version: **1**
 Analysis #: **460979**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Loss on drying	0-0.5 (%)	0.24800 %
Purity(Neutralization titration)	98.5-101.5 (%)	100.58600 %
Sulfate(SO ₄ ²⁻)	0-150 (ppm)	100.34800 ppm
Chloride (Cl ⁻)	0-100 (ppm)	65.49600 ppm
Heavy metal (as Pb)	0-10 (ppm)	4.78000 ppm
Calcium(Ca)	0-200 (ppm)	120.49600 ppm
Specific Rotation [α] _D ²⁰ (c=20 in H ₂ O)	12-13 (°)	12.01000 °
Sulfate Ash	0-0.1 (%)	0.06400 %
Melting point	168-172 (°C)	170.04800 °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 ₂ O	Almost transparency	almost transparency



QualityAssurance@aladdinsci.com

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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager