

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-13 11:09:31
 Date of Next Testing: 2029-10-12 11:09:31
 Product Name: **L-(+)-Tartaric acid**
 CAS Number: 87-69-4
 Specifications & Purity: ACS, ≥99.5%
 Lot #: L2118382
 SKU #: **T112460**
 Version: **1**
 Analysis #: **586308**
 Storage Temperature: Room temperature, Desiccated, Cool

Parameter	Limit Values	Result
Ignition Residue (as sulfate)	0-0.02 (%)	0.01100 %
Iron(Fe)	0-5 (ppm)	0.00000 ppm
Insoluble matter in H ₂ O	0-0.005 (%)	0.00000 %
Phosphate(PO ₄)	0-10 (ppm)	5.10000 ppm
Chloride (Cl ⁻)	0-10 (ppm)	4.10000 ppm
Purity (Titration by NaOH)	99.5-100.5 (%)	99.80000 %
Sulfate(SO ₄ ²⁻)	0-0.002 (%)	0.00010 %
Heavy metal (as Pb)	0-5 (ppm)	0.00000 ppm
Specific Rotation [α] ₂₀ /D(c=20 in H ₂ O)	10.4-14.4 (°)	12.90000 °
Appearance (T112460)	white crystal or crystal powder	white crystal or crystal powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Oxalate(C ₂ O ₄) (limit 0.1%)	Pass	Pass



John Su
QA & QC Manager