

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2024-02-27 08:58:26
Date of Next Testing:	2028-02-26 08:58:26
Product Name:	L-(+)-Tartaric acid
CAS Number:	87-69-4
Specifications & Purity:	ACS, ≥99.5%
Lot #:	B24231146
SKU #	T112460
Analysis:	317775
Storage Temperature:	Room temperature

Parameter	Limit Values	Result
Ignition Residue (as sulfate)	0-0.02 (%)	0.00 %
Iron(Fe)	0-5 (ppm)	0.00 ppm
Insoluble matter in H ₂ O	0-0.005 (%)	0.00 %
Phosphate(PO ₄)	0-10 (ppm)	0.00 ppm
Chloride (Cl ⁻)	0-10 (ppm)	0.00 ppm
Purity (Titration by NaOH)	99.5-100.5 (%)	100.40 %
Sulfate(SO ₄ ²⁻)	0-0.002 (%)	0.00 %
Heavy metal (as Pb)	0-5 (ppm)	0.00 ppm
Specific Rotation [α] ₂₀ /D(c=20 in H ₂ O)	10.4-14.4 (°)	13.60°
Appearance (T112460)	white crystal or crystal powder	white crystal or crystal powder
Oxalate(C ₂ O ₄) (limit 0.1%)	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager