

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-11-12 14:57:54
Date of Next Testing: 2028-11-11 14:57:54
Product Name: **L-(+)-Tartaric acid**
CAS Number: 87-69-4
Specifications & Purity: ACS, ≥99.5%
Lot #: K2408313
SKU #: **T112460**
Version: **1**
Analysis #: **380725**
Storage Temperature: Room temperature

Parameter	Limit Values	Result
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
Sulfate(SO ₄ ²⁻)	0-0.002 (%)	0.00 %
Heavy metal (as Pb)	0-5 (ppm)	0.50 ppm
Specific Rotation [α] ₂₀ /D(c=20 in H ₂ O)	10.4-14.4 (°)	12.55°
Ignition Residue (as sulfate)	0-0.02 (%)	0.00 %
Purity (Titration by NaOH)	99.5-100.5 (%)	100.06 %
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