

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-13 13:46:04

Date of Next Testing: 2027-09-13 13:46:04

Product Name: **DL-Tartaric acid**

CAS Number: 133-37-9

Specifications & Purity: AR

Lot #: I2511616

SKU # **T104048**Version **1**Analysis #: **565607**

| Parameter | Limit Values | Result |
|--|---|---|
| Water by Karl Fischer | 0-5 (%) | 2.03 % |
| specific rotation $[\alpha]_{20/D}(C=1$ in water) | -2-2 (°) | -0.13400 ° |
| Purity (Titration by NaOH) (anhydrous) | 98.5-101.5 (%) | 100.20 % |
| Appearance (T104048) | White to Off-White Granular or Crystalline Powder | White to Off-White Granular or Crystalline Powder |
| Solubility in H ₂ O , Colorless, Clear, 200 mg/ml | pass | Pass |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |

John Su
QA & QC Manager