

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-18 11:29:03
 Date of Next Testing: 2026-12-18 11:29:03
 Product Name: **DL-Tartaric acid**
 CAS Number: 133-37-9
 Specifications & Purity: AR
 Lot #: L2409635
 SKU #: **T104048**
 Version: **1**
 Analysis #: **430318**
 Storage Temperature: Room temperature, Desiccated, Cool

Parameter	Limit Values	Result
Purity (Titration by NaOH) (anhydrous)	98.5-101.5 (%)	99.87000 %
Water by Karl Fischer	0-5 (%)	0.06200 %
specific rotation $[\alpha]_{20/D}(C=1 \text{ in water})$	-2-2 (°)	-0.32400 °
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