

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-12-23 11:13:33  
Date of Next Testing: 2027-12-23 11:13:33  
Product Name: **DL-Tartaric acid**  
CAS Number: 133-37-9  
Specifications & Purity: AR  
Lot #: L2512579  
SKU #: **T104048**  
Version: **1**  
Analysis #: **614233**  
Storage Temperature: Room temperature, Desiccated, Cool

Parameter	Limit Values	Result
Purity (Titration by NaOH) (anhydrous)	98.5-101.5 (%)	100.21 %
Water by Karl Fischer	0-5 (%)	0.17 %
specific rotation $[\alpha]_{20/D}(C=1$ in water)	-2-2 (°)	0.06500°
Appearance (T104048)	White to Off-White Granular or Crystalline Powder	White to Off-White Granular or Crystalline Powder
Solubility in H <sub>2</sub> O , Colorless, Clear, 200 mg/ml	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager