

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-08-31 14:53:26

Date of Next Testing: 2026-08-31 14:53:26

Product Name: **DL-Tartaric acid**

CAS Number: 133-37-9

Specifications &amp; Purity: Reagent Grade

Lot #: H2427446

SKU #: **T104048**Version: **1**Analysis #: **400224**

| Parameter   | Limit Values   | Result   |
|---|--|--|
| Water by Karl Fischer   | 0-5 (%)  | 0.05 %   |
| specific rotation $[\alpha]_{20/D(C=1 \text{ in water})}$       | -2-2 (°)   | -0.09300 °   |
| Purity (Titration by NaOH)<br>(anhydrous)                       | 98.5-101.5 (%)                                       | 100.29 %   |
| Appearance (T104048)  | White to Off-White Granular or<br>Crystalline Powder | White to Off-White Granular or<br>Crystalline Powder |
| Solubility in H <sub>2</sub> O , Colorless, Clear,<br>200 mg/ml | pass   | Pass   |
| Proton NMR spectrum   | Conforms to Structure                                | Conforms to Structure                                |

John Su  
QA & QC Manager