

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-03-03 13:19:01

Date of Next Testing: 2026-03-02 13:19:01

Product Name: **D-(-)-Tartaric acid**

CAS Number: 147-71-7

Specifications & Purity: $\geq 99.5\%$

Lot #: C2201569

SKU #: **T107139**

Version: **1**

Analysis #: **068071**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D(c=20 \text{ in H}_2\text{O})}$	-13--11 (°)	-11.42500 °
Enantiometric Excess	99.5-100 (%)	99.50000 %
Purity(Neutralization titration)	99-101 (%)	99.25000 %
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless,Clear,100 mg/mL, H ₂ O	pass	Pass
Appearance (T107140)	White to Almost White Powder or Crystals or Granules or Chunks	White to Almost White Powder or Crystals or Granules or Chunks



John Su
QA & QC Manager