

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-05-16 09:50:51

Date of Next Testing: 2028-05-15 09:50:51

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

CAS Number: 147-71-7

Specifications & Purity: $\geq 99.5\%$

Lot #: E2409026

SKU #: **T107139**

Version: **0**

Analysis #: **358749**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D(c=20 \text{ in H}_2\text{O})}$	-13--11 (°)	-11.25300 °
Enantiometric Excess	99.5-100 (%)	99.52000 %
Purity(Neutralization titration)	99-101 (%)	100.06000 %
Appearance (t107139)	White Powder or Crystals or Granules or Chunks	White Powder or Crystals or Granules or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless,Clear,100 mg/mL, H ₂ O	pass	Pass



John Su
QA & QC Manager