

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-10-19 14:46:31

Date of Next Testing: 2026-10-18 14:46:31

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

CAS Number: 147-71-7

Specifications & Purity: $\geq 99.5\%$

Lot #: L1826129

SKU #: **T107139**

Version: **0**

Analysis #: **145870**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=20 \text{ in H}_2\text{O})$	-13--11 ($^{\circ}$)	-11.31600 $^{\circ}$
Enantiometric Excess	99.5-100 (%)	99.51600 %
Purity(Neutralization titration)	99-101 (%)	99.79942 %
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