

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-19 15:38:39

Date of Next Testing: 2027-08-18 15:38:39

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

CAS Number: 147-71-7

Specifications & Purity: $\geq 99.5\%$

Lot #: H2316014

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