

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-03-03 11:44:35
 Date of Next Testing: 2026-03-02 11:44:35
 Product Name: **D-(-)-Tartaric acid**
 CAS Number: 147-71-7
 Specifications & Purity: $\geq 99.5\%$
 Lot #: C2201546
 SKU #: **T107139**
 Version: **1**
 Analysis #: **068071**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D(c=20 \text{ in } H_2O)}$	-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