

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-05-25 19:25:16
 Date of Next Testing: 2024-05-24 19:25:16
 Product Name: (-)-Dimethyl D-tartrate
 CAS Number: 13171-64-7
 Specifications & Purity: $\geq 98\%$ (GC)
 Lot #: E2217086
 SKU #: D138152
 Version: 0
 Analysis #: 081394
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	99.05800 %
Melting point	48-56 (°C)	48.44000 °C
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	-22--20 (°)	-20.32600 °
Appearance (D138152)	White Powder, Crystals and/or Chunks	White Powder, Crystals and/or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager