

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-07-15 11:26:02

Date of Next Testing: 2028-07-14 11:26:02

Product Name: (R)-(-)-Mandelic acid

CAS Number: 611-71-2

Specifications & Purity: ≥99%

Lot #: G2405582

SKU #: M107076

Version: 0

Analysis #: 374575

Storage Temperature: Protected from light, Room temperature

Parameter	Limit Values	Result
Enantiometric Excess	98-100 (%)	99.68000 %
Purity(HPLC)	99-100 (%)	99.86700 %
Specific Rotation [α] _{20/D} (c=1 in H ₂ O)	-157--150 (°)	-150.25100 °
Water by Karl Fischer	0-1 (%)	0.27590 %
Melting point	132-135 (°C)	134.72000 °C
Appearance (M107076)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager