

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-07-15 11:25:36
Date of Next Testing: 2028-07-14 11:25:36
Product Name: **(R)-(-)-Mandelic acid**
CAS Number: 611-71-2
Specifications & Purity: $\geq 99\%$
Lot #: G2405580
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 $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	-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