

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-03-13 10:59:39

Date of Next Testing: 2029-03-12 10:59:39

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

CAS Number: 611-71-2

Specifications & Purity: $\geq 99\%$

Lot #: F2110259

SKU #: **M107076**

Version: **0**

Analysis #: **479154**

Storage Temperature: Protected from light

Parameter	Limit Values	Result
Enantiometric Excess	98-100 (%)	99.00 %
Purity(HPLC)	99-100 (%)	99.07000 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	-157--150 (°)	-150.30 °
Water by Karl Fischer	0-1 (%)	0.10 %
Melting point	132-135 (°C)	134.90000 °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

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager