

Certificate of Analysis

Date of Testing: 2023-01-05 13:57:56
Date of Next Testing: 2027-01-04 13:57:56
Product Name: **(R)-(-)-Mandelic acid**
CAS Number: 611-71-2
Specifications & Purity: 99%
Lot #: L2220083
SKU #: **M107076**
Analysis: **174948**
Storage Temperature: Protected from light

Parameter	Limit Values	Result
Enantiometric Excess	98-100 (%)	98.15 %
Purity(HPLC)	99-100 (%)	99.52600 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	-157--150 (°)	-150.23 °
Water by Karl Fischer	0-1 (%)	0.46 %
Melting point	132-135 (°C)	133.05000 °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