

Certificate of Analysis

Date of Testing: 2024-06-27 09:50:37

Date of Next Testing: 2028-06-26 09:50:37

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

CAS Number: 611-71-2

Specifications & Purity: 99%

Lot #: F2419250

SKU #: M107076

Version: 0

Analysis #: 335943

Storage Temperature: Protected from light

Parameter	Limit Values	Result
Melting point	132-135 (°C)	133.80000 °C
Enantiometric Excess	98-100 (%)	98.00 %
Purity(HPLC)	99-100 (%)	100.00000 %
Specific Rotation [α] _{20/D} (c=1 in H ₂ O)	-157--150 (°)	-156.98 °
Water by Karl Fischer	0-1 (%)	0.50 %
Infrared spectrum	Conforms to Structure	Conforms to Structure
Appearance (M107076)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals



John Su
QA & QC Manager