

## Certificate of Analysis

Date of Testing: 2024-05-14 13:24:57  
Date of Next Testing: 2028-05-13 13:24:57  
Product Name: **(R)-(-)-Mandelic acid**  
CAS Number: 611-71-2  
Specifications & Purity: 99%  
Lot #: D2425419  
SKU #: **M107076**  
**Analysis:** **335940**  
Storage Temperature: Protected from light

Parameter	Limit Values	Result
Enantiometric Excess	98-100 (%)	98.00 %
Purity(HPLC)	99-100 (%)	99.00000 %
Specific Rotation [a] <sub>20</sub> /D(c=1 in H <sub>2</sub> O)	-157--150 (°)	-151.36 °
Water by Karl Fischer	0-1 (%)	0.50 %
Melting point	132-135 (°C)	134.98000 °C
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