

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 #: F2110258
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 |



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