

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-18 17:33:38

Date of Next Testing: 2027-04-17 17:33:38

Product Name: **D-(-)-Mandelic Acid Ethyl Ester**

CAS Number: 10606-72-1

Specifications & Purity: $\geq 98\%$ (GC)

Lot #: D2312167

SKU # **E156470**

Version **0**

Analysis #: **216439**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in CHCL}_3)$	-145--130 (°)	-136.69000 °
Crystallization point	26-31 (°C)	27.20000 °C
Purity(GC)	98-100 (%)	99.66000 %
Appearance (E156470)	Colorless or White to Yellow Solid or Liquid	Colorless or White to Yellow Solid or Liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in CHCL ₃ , colorless to faint yellow, Clear,50 mg/mL	pass	Pass



John Su
QA & QC Manager