

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-08-06 16:24:23

Date of Next Testing: 2030-08-05 16:24:23

Product Name: **L-(-)-Malic acid**

CAS Number: 97-67-6

Grades & Purity: $\geq 98\%$

Lot #: G2623350

SKU #: **M105695**

Version: **0**

Analysis #: **742677**

Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

Parameter	Limit Values	Result
Melting point	101-105 (°C)	103.24000 °C
Purity(Neutralization titration)	98-102 (%)	99.98000 %
Specific Rotation $[\alpha]_{20/D}(c=8.5 \text{ in H}_2\text{O})$	-2.6--1.6 (°)	-2.16100 °
Appearance (M105695)	White Powder or Crystals	White Powder or Crystals
Solubility in H ₂ O	Almost transparency	almost transparency
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager