

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-08-18 14:56:42  
Date of Next Testing: 2026-08-17 14:56:42  
Product Name: **DL-Malic acid**  
CAS Number: 6915-15-7  
Specifications & Purity: Analytical Reagent, >99.0%(T)  
Lot #: H2212370  
SKU #: **M101126**  
**Analysis:** **116638**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Purity (Titration by NaOH)	99-101 (%)	99.98 %
Specific Rotation [α] <sub>20</sub> /D(0.2g/mL in H <sub>2</sub> O)	-0.1-0.1 (°)	-0.04 °
Appearance (M101126)	White to Off-White Powder or Chunks	White to Off-White Powder or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Colorless to Faint Yellow, Clear ,50 mg/ml	pass	Pass



John Su  
QA & QC Manager