

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-09-08 15:57:50
Date of Next Testing: 2026-09-07 15:57:50
Product Name: **DL-Malic acid**
CAS Number: 6915-15-7
Specifications & Purity: for synthesis
Lot #: I2301419
SKU #: **D433328**
Analysis: **266563**
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity (Titration by NaOH)	99-101 (%)	99.64 %
Specific rotation $[\alpha]_{20/D}(C=0.2 \text{ g/ml}-0.1 \sim 0.1 \text{ }^\circ)$ in H ₂ O)		-0.03300 °
Melting point	128-132 (°C)	131.77000 °C
Appearance(D433328)	White to Off-White Crystalline powder or particles	White to Off-White Crystalline powder or particles
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager