

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-03-07 16:21:18

Date of Next Testing: 2028-03-06 16:21:18

Product Name: **Malic acid**

CAS Number: 6915-15-7

Specifications & Purity: PharmPure™, USP, NF

Lot #: C2505075

SKU #: **M433327**

Version: **1**

Analysis #: **483037**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Residue on Ignition	0-0.1 (%)	0.01000 %
Maleic Acid	≤ 0.05 (%)	0.02000 %
Fumaric acid	≤ 1 (%)	1.00000 %
Water Insolubles	≤ 0.1 (%)	0.10000 %
Assay	99-100.5 (%)	99.77000 %
Specific Rotation [α] ₂₀ /D(0.2g/mL in H ₂ O)	-2~2 (°)	-0.06800 °
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager