

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-09 17:06:41
Date of Next Testing: 2027-04-08 17:06:41
Product Name: **Dimethyl L-(-)-Malate**
CAS Number: 617-55-0
Specifications & Purity: 98%
Lot #: D2303746
SKU #: **D102009**
Analysis: 178753
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	98.13 %
Refractive index n ₂₀ /D	1.4375-1.442	1.44
Specific Rotation [α] ₂₀ /D	-8.5--5.5 (°)	-8.48 °
Appearance (D102009)	Colorless to light yellow liquid	Colorless to light yellow liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager