

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-12-23 15:21:13

Date of Next Testing: 2026-12-22 15:21:13

Product Name: **Disodium DL-Malate Hydrate**

CAS Number: 676-46-0

Specifications & Purity: $\geq 98\%$ (T)

Lot #: L2216745

SKU # **D154290**

Version **1**

Analysis #: **147539**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(Nonaqueous Titration)(As drybase)	97.5-102.5 (%)	99.20000 %
Appearance (D154290)	White to Off-White Powder	White to Off-White Powder
ICP: Confirms Sodium Component	Confirmed	Confirmed
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , almost transparency , 5%	pass	Pass



John Su
QA & QC Manager