

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-10-20 14:54:22

Date of Next Testing: 2026-10-19 14:54:22

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

CAS Number: 676-46-0

Specifications & Purity: >98.0%(T)

Lot #: A1903079

SKU #: **D154290**

Analysis: **146528**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(Nonaqueous Titration)(As drybase)	97.5-102.5 (%)	98.01 %
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

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager