

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-10 11:33:41
 Date of Next Testing: 2027-03-09 11:33:41
 Product Name: **3-Thiophenemalonic acid**
 CAS Number: 21080-92-2
 Specifications & Purity: $\geq 98\%$
 Lot #: C2303046
 SKU #: **T124059**
 Version: **0**
 Analysis #: **172949**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(Neutralization titration)	97.5-102.5 (%)	100.86000 %
Purity(HPLC)	98-100 (%)	99.29100 %
Appearance (T124059)	White to Beige Powder,Crystals and/or Chunks	White to Beige Powder,Crystals and/or Chunks
Solubility in H ₂ O , very faint turbidity	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager