

## Certificate of Analysis

Date of Testing: 2024-12-14 10:52:52

Date of Next Testing: 2028-12-13 10:52:52

Product Name: **malonic acid**

CAS Number: 141-82-2

Specifications & Purity:  $\geq 99\%$

Lot #: L2406642

SKU #: **M305754**

Version: **1**

Analysis #: **439015**

Parameter	Limit Values	Result
Purity (Titration by NaOH)	98.5-101.5 (%)	99.82 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in 1N NaOH , Colorless to yellow,clear to pass slightly hazy100mg/ml		Pass
Appearance (M305754)	White Powder or Crystals or Granules or Chunks	White Powder or Crystals or Granules or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager