

## Certificate of Analysis

Date of Testing: 2024-07-12 15:32:21  
Date of Next Testing: 2028-07-11 15:32:21  
Product Name: **malonic acid**  
CAS Number: 141-82-2  
Specifications & Purity: reagent grade,98%  
Lot #: G2404336  
SKU #: **M103513**  
Version: **0**  
Analysis #: **386941**

Parameter	Limit Values	Result
Purity (Titration by NaOH)	97.5-102.5 (%)	99.58 %
Purity(GC)	96-100 (%)	96.30 %
Appearance (M103513)	White Powder or Crystals or Granules or Chunks	White Powder or Crystals or Granules or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in 1N NaOH , Colorless to yellow,clear to pass slightly hazy100mg/ml		Pass



John Su  
QA & QC Manager