

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-03-07 15:50:58  
Date of Next Testing: 2027-03-06 15:50:58  
Product Name: **Malonic acid dihydrazide**  
CAS Number: 3815-86-9  
Specifications & Purity: 99%  
Lot #: G1515088  
SKU #: **M129193**  
**Analysis: 195036**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.32600 %
Carbon by Elemental Analysis	26.3-27.8 (%)	26.88 %
Nitrogen by Elemental Analysis	41-42.9 (%)	42.10 %
Appearance (M129193)	White to almost white to cream powder or crystal	White to almost white to cream powder or crystal
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager