

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

# Certificate of Analysis

Date of Testing: 2025-06-10 13:59:36

Date of Next Testing: 2029-06-09 13:59:36

Product Name: **Malonic acid dihydrazide**

CAS Number: 3815-86-9

Specifications & Purity:  $\geq 99\%$

Lot #: H2118428

SKU #: **M129193**

Version: **1**

Analysis #: **521965**

Storage Temperature: Room temperature, Argon charged

| Parameter                      | Limit Values                                     | Result                                           |
|--------------------------------|--------------------------------------------------|--------------------------------------------------|
| Purity(HPLC)                   | 99-100 (%)                                       | 99.07000 %                                       |
| Carbon by Elemental Analysis   | 26.3-27.8 (%)                                    | 27.20000 %                                       |
| Nitrogen by Elemental Analysis | 41-42.9 (%)                                      | 42.80000 %                                       |
| 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