

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-10-25 11:27:14  
 Date of Next Testing: 2027-10-24 11:27:14  
 Product Name: **N,N,N',N'-Tetramethylmalonamide**  
 CAS Number: 7313-22-6  
 Specifications & Purity:  $\geq 97\%$   
 Lot #: J2318551  
 SKU #: **N159447**  
 Version: **1**  
 Analysis #: **282951**  
 Storage Temperature: Room temperature, Argon charged

| Parameter                             | Limit Values                                                  | Result                                                        |
|---------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|
| Purity(GC)                            | 97-100 (%)                                                    | 97.97300 %                                                    |
| Refractive index<br>n <sub>20/D</sub> | 1.490-1.494                                                   | 1.49200                                                       |
| NMR Spectrum 1H                       | Conforms to structure                                         | Conforms to Structure                                         |
| Appearance(N159447)                   | Colorless to Almost Colorless Clear to Light<br>Yellow Liquid | Colorless to Almost colorless clear to light<br>yellow liquid |



John Su  
QA & QC Manager