

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-02-02 08:54:31  
 Date of Next Testing: 2028-02-01 08:54:31  
 Product Name: **Mono-4-nitrobenzyl Malonate**  
 CAS Number: 77359-11-6  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: A2419458  
 SKU #: **M102464**  
 Version: **1**  
 Analysis #: **298139**  
 Storage Temperature: Room temperature

| Parameter                        | Limit Values                                      | Result                                            |
|----------------------------------|---------------------------------------------------|---------------------------------------------------|
| Melting point                    | 108-111 (°C)                                      | 110.05000 °C                                      |
| Purity(Neutralization titration) | 97.5-102.5 (%)                                    | 100.06000 %                                       |
| Appearance (M102464)             | White to Almost white to yellow powder to crystal | White to Almost white to yellow powder to crystal |
| Solubility in MeOH               | almost transparency                               | almost transparency                               |
| Proton NMR spectrum              | Conforms to Structure                             | Conforms to Structure                             |



John Su  
QA & QC Manager