

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-01-06 14:15:23

Date of Next Testing: 2024-12-26 14:15:23

Product Name: **10-Undecenoic acid**

CAS Number: 112-38-9

Specifications & Purity:  $\geq 95\%$

Lot #: G2304032

SKU #: **U106483**

Version: **0**

Analysis #: **175416**

Storage Temperature: Room temperature

| Parameter                        | Limit Values                                     | Result                                           |
|----------------------------------|--------------------------------------------------|--------------------------------------------------|
| Purity(Neutralization titration) | 95-105 (%)                                       | 95.36000 %                                       |
| Purity(GC)                       | 95-100 (%)                                       | 95.09900 %                                       |
| Crystallization point            | 23-25 (°C)                                       | 24.20000 °C                                      |
| Appearance (U106483)             | white to yellow solid,colorless to yellow liquid | white to yellow solid,colorless to yellow liquid |
| Infrared spectrum                | Conforms to Structure                            | Conforms to Structure                            |
| Proton NMR spectrum              | Conforms to Structure                            | Conforms to Structure                            |



John Su  
QA & QC Manager