

## Certificate of Analysis

Date of Testing: 2022-02-22 15:44:28  
Date of Next Testing: 2024-02-12 15:44:28  
Product Name: **10-Undecenoic acid**  
CAS Number: 112-38-9  
Specifications & Purity: 98%  
Lot #: B2218329  
SKU #: **U106484**  
Analysis: **063465**

Parameter	Limit Values	Result
Purity(Neutralization titration)	97.5-102.5 (%)	98.56%
Purity(GC)	98-100 (%)	98.61%
Crystallization point	23-25 (°C)	24.98 °C
Appearance (U106484)	white solid or colorless liquid	white solid or colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager