

## Certificate of Analysis

Date of Testing: 2024-08-23 10:18:45  
Date of Next Testing: 2026-08-13 10:18:45  
Product Name: **Oleic acid**  
CAS Number: 112-80-1  
Specifications & Purity: Moligand™, ≥99%(HPLC)  
Lot #: A2508077  
SKU #: **O108485**  
Version: **1**  
Analysis #: **403338**  
Storage Temperature: Store at -20°C, Argon charged

| Parameter                           | Limit Values                             | Result                                   |
|-------------------------------------|------------------------------------------|------------------------------------------|
| Purity(HPLC)                        | 99-100 (%)                               | 99.60000 %                               |
| Refractive index n <sub>20</sub> /D | 1.458-1.461                              | 1.46                                     |
| Purity(Neutralization titration)    | 99-101 (%)                               | 99.70 %                                  |
| Appearance (O108485)                | Colorless to pale yellow liquid or solid | Colorless to pale yellow liquid or solid |
| Carbon NMR Spectrum                 | Conforms to Structure                    | Conforms to Structure                    |
| Infrared spectrum                   | Conforms to Structure                    | Conforms to Structure                    |
| Proton NMR spectrum                 | Conforms to Structure                    | Conforms to Structure                    |



John Su  
QA & QC Manager