

## Certificate of Analysis

Date of Testing: 2023-07-20 10:50:59  
Date of Next Testing: 2025-07-19 10:50:59  
Product Name: **Ethyl undecanoate**  
CAS Number: 627-90-7  
Specifications & Purity:  $\geq 97\%$   
Lot #: G2308136  
SKU #: **E139107**  
Analysis: **053642**

Parameter	Limit Values	Result
Density (20°C)	0.864-0.866	0.87
Purity(GC)	97-100 (%)	97.38 %
Refractive index n <sub>20</sub> /D	1.428-1.43	1.43
Appearance (E139107)	Colorless liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager