

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-06-29 14:17:43  
Date of Next Testing: 2026-06-28 14:17:43  
Product Name: **1-Undecene**  
CAS Number: 821-95-4  
Specifications & Purity: >93.0%(GC)  
Lot #: F2223137  
SKU #: **U162902**  
**Analysis: 107499**  
Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                           | Limit Values                     | Result                           |
|-------------------------------------|----------------------------------|----------------------------------|
| Refractive index n <sub>20</sub> /D | 1.424-1.429                      | 1.43                             |
| Density (20°C)                      | 0.751-0.756                      | 0.75                             |
| Purity(GC)                          | 93-100 (%)                       | 94.60 %                          |
| Appearance (U162902)                | Colorless to light yellow liquid | Colorless to light yellow liquid |
| Proton NMR spectrum                 | Conforms to Structure            | Conforms to Structure            |



John Su  
QA & QC Manager