

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-07-11 17:53:35
Date of Next Testing: 2027-07-10 17:53:35
Product Name: **trans-2-Undecenal**
CAS Number: 53448-07-0
Specifications & Purity: >93.0%(GC),stabilized,0.5% Tocopherol
Lot #: G2307100
SKU #: **T162343**
Analysis: **245873**
Storage Temperature: Protected from light,Argon charged

| Parameter | Limit Values | Result |
|-------------------------------------|----------------------------------|----------------------------------|
| Refractive index n ₂₀ /D | 1.455-1.459 | 1.46 |
| Purity(GC) | 93-100 (%) | 97.13 % |
| Density (20°C) | 0.844-0.849 | 0.85 |
| Appearance (T162343) | Colorless to light yellow liquid | Colorless to light yellow liquid |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |
| Stabilizer(0.5%Tocopherol) | Pass | Pass |



John Su
QA & QC Manager