

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-21 10:12:46

Date of Next Testing: 2025-08-10 10:12:46

Product Name: **Undecanal**

CAS Number: 112-44-7

Specifications & Purity: 97%

Lot #: K2102011

SKU #: **U105593**

Analysis: **266340**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(GC)	97-100 (%)	99.63 %
Density (20°C)	0.827-0.834	0.83
Free acid	0-2 (%)	1.30 %
Refractive index n ₂₀ /D	1.43-1.434	1.43
Appearance (U105593)	Colorless to light yellow liquid	Colorless to light yellow liquid
Proton NMR spectrum	Conforms to structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager