

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-29 17:40:45

Date of Next Testing: 2025-03-18 17:40:45

Product Name: **Undecanal**

CAS Number: 112-44-7

Specifications & Purity: $\geq 97\%$

Lot #: C2324963

SKU #: **U105593**

Version: **2**

Analysis #: **205102**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(GC)	97-100 (%)	98.92200 %
Density (20°C)	0.827-0.834	0.83100
Free acid	0-2 (%)	1.34000 %
Refractive index n ₂₀ /D	1.43-1.434	1.43240
Appearance (U105593)	Colorless to light yellow liquid	Colorless to light yellow liquid
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager