

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-06-30 14:16:15
 Date of Next Testing: 2024-06-19 14:16:15
 Product Name: **Undecanal**
 CAS Number: 112-44-7
 Specifications & Purity: $\geq 97\%$
 Lot #: F2228566
 SKU #: **U105593**
 Version: **2**
 Analysis #: **091571**
 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