

Certificate of Analysis

Date of Testing: 2023-10-09 10:21:59

Date of Next Testing: 2025-09-28 10:21:59

Product Name: **10-Undecenoyl chloride**

CAS Number: 38460-95-6

Specifications & Purity: $\geq 98\%$

Lot #: I2311191

SKU # **U101250**

Version **0**

Analysis #: **224575**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.453-1.455	1.45
Density (20°C)	0.946-0.949	0.95
Purity(Neutralization titration)	97.5-102.5 (%)	101.52 %
Purity(GC)	98-100 (%)	98.64 %
Appearance (U101250)	Colorless to Yellow Liquid	Colorless to Yellow Liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager