

Certificate of Analysis

Date of Testing: 2023-09-01 09:07:18

Date of Next Testing: 2026-08-31 09:07:18

Product Name: **2H,2H,3H,3H-Perfluoroundecanoyl chloride**

CAS Number: 89373-67-1

Specifications & Purity: $\geq 97\%$

Lot #: H2324545

SKU #: **H345488**

Analysis: **262059**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(GC)	97-100 (%)	99.60 %
Appearance(H345488)	Colorless or White Powder or Solid or Crystals or Crystalline Chunk(s) or Chunk(s)	Colorless or White Powder or Solid or Crystals or Crystalline Chunk(s) or Chunk(s)
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Fluorine NMR Spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager