

## Certificate of Analysis

Date of Testing: 2023-09-02 11:44:58

Date of Next Testing: 2026-09-01 11:44:58

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

CAS Number: 89373-67-1

Specifications & Purity:  $\geq 97\%$

Lot #: H2324690

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                                                              |



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