

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-07-20 16:28:50

Date of Next Testing: 2027-07-19 16:28:50

Product Name: **Trichloro(1H,1H,2H,2H-tridecafluoro-n-octyl)silane**

CAS Number: 78560-45-9

Specifications & Purity:  $\geq 97\%$ (GC)

Lot #: G23131386

SKU #: **T162729**

Version: **2**

Analysis #: **239950**

Storage Temperature: Argon charged

| Parameter                           | Limit Values                       | Result                             |
|-------------------------------------|------------------------------------|------------------------------------|
| Purity(GC)                          | 97-100 (%)                         | 98.62%                             |
| Refractive index n <sub>20</sub> /D | 1.351-1.355                        | 1.35                               |
| Density (20°C)                      | 1.651-1.655                        | 1.65                               |
| Appearance (T162729)                | Colorless to Yellow to Pink Liquid | Colorless to Yellow to Pink Liquid |
| Fluorine NMR Spectrum               | Conforms to Structure              | Conforms to Structure              |
| Proton NMR spectrum                 | Conforms to Structure              | Conforms to Structure              |

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager