

### Chemical Information:

Name: Silane, tetramethyl-

Date of Analysis: 23 July 2009

CAS No.: 75-76-3

Supplier: Sigma-Aldrich

Tox21\_ID No.: Tox21\_200011

Lot No.: 11922EH

NTP\_CID No.: 2534

MW: 88.22 g/mol

### Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
Silane, tetramethyl-	1.49	100.00

<sup>a</sup> Peaks comprising ≥ 0.5% of total area.

### GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Not applicable, analyzed as neat chemical
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25-μm film thickness
Carrier Gas	Helium at 1.0 mL/min
Oven Program	10°C, hold 2 min; ramp @ 10°C/min to 310°C, hold 7 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	25 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μL / Split (480:1)
Run Time	39 minutes
Data Analysis Software	Xcalibur, ver 1.2 and NIST Library ver 2.0f, build 10/08/2008

