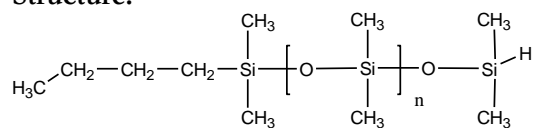


Sample Name:

## Silane Terminated Polydimethylsiloxane

Sample #: P19134-DMSSiH

**Structure:**



**Composition:**

Mn x 10 <sup>3</sup>	PDI
6.0	1.2
SiH functionality	>95%

**Synthesis Procedure:**

By anionic polymerization process.

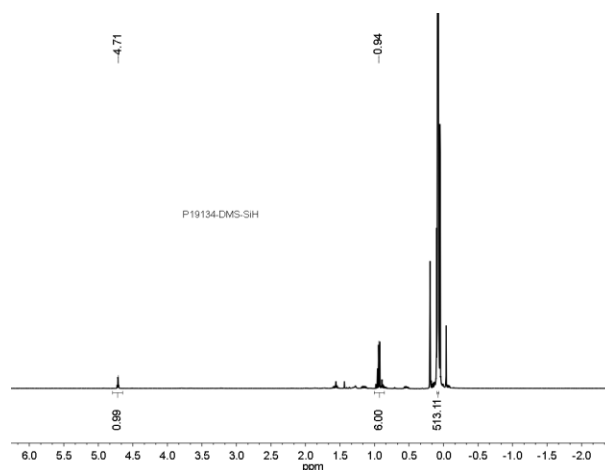
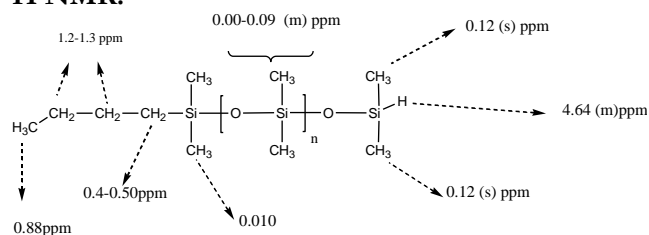
**Characterization:**

The molecular weight was calculated from NMR by comparing the sec-BuLi methyl group protons at 0.95ppm and the dimethylsiloxane methyl group at 0.08ppm, the polydispersity index of this polymer was determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

**Solubility:**

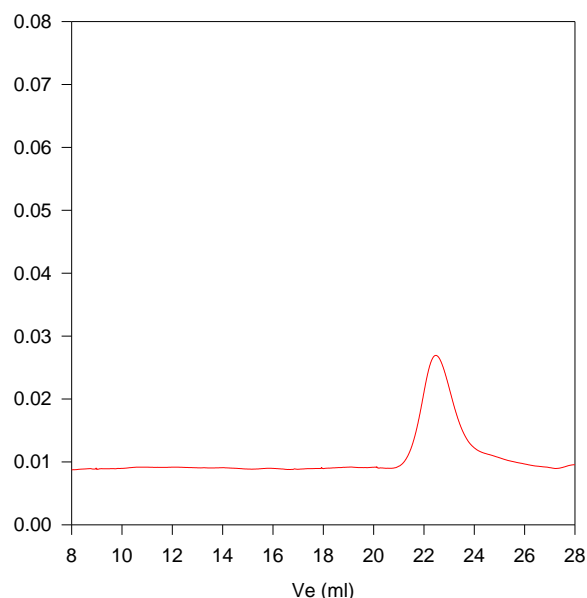
The polymer is soluble in hexane, toluene, cyclohexane, THF and chloroform but precipitates from methanol and ethanol

**H NMR:**



**SEC of Sample:**

**P19134-DMSSiH**



Size Exclusion Chromatography of monosilan terminated PDMS

M<sub>n</sub>=6,000, M<sub>w</sub>=7,200, PI=1.2