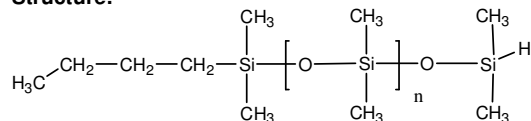


**Sample Name:**  
**Silane Terminated Polydimethylsiloxane**

**Sample #:** P18604-DMSSiH

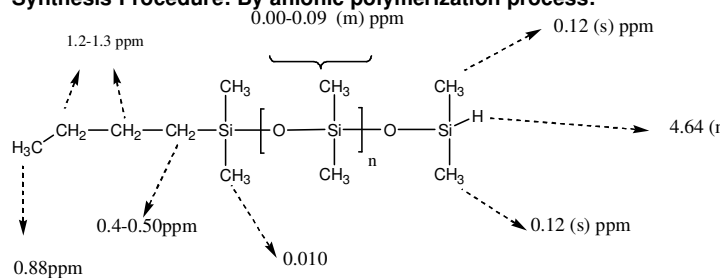
**Structure:**



**Composition:**

Mn x 10 <sup>3</sup>	PDI
3.0	1.2
SiH functionality	>95%

**Synthesis Procedure: By anionic polymerization process:**



**Characterization:**

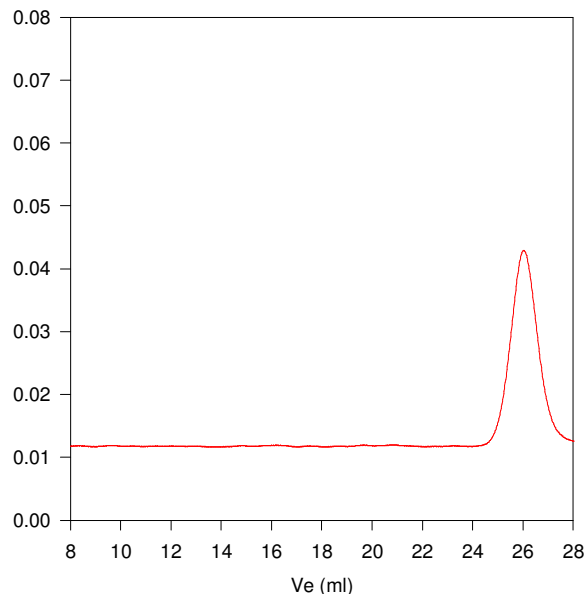
The molecular weight was calculated from NMR by comparing the sec-BuLi methyl group protons at 0.95 ppm and the dimethylsiloxane methyl group at 0.08 ppm, the polydispersity index of this polymer was determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a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

**Solubility:**

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

**SEC of Sample:**

**P18604-DMSSiH**



Size Exclusion Chromatography of monosilan terminated PDMS

M<sub>n</sub> = 3,000, M<sub>w</sub> = 3,600, PI = 1.2

