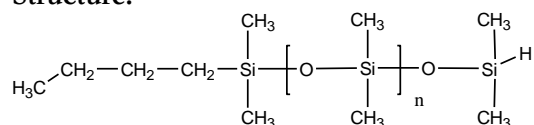


Sample Name:

## Silane Terminated Polydimethylsiloxane

Sample #: P19130-DMSSiH

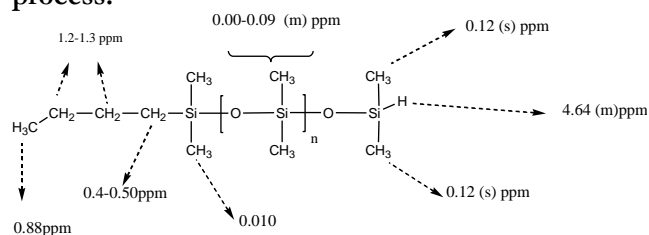
**Structure:**



**Composition:**

$M_n \times 10^3$	PDI
6.0	1.18
SiH functionality	>95%

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

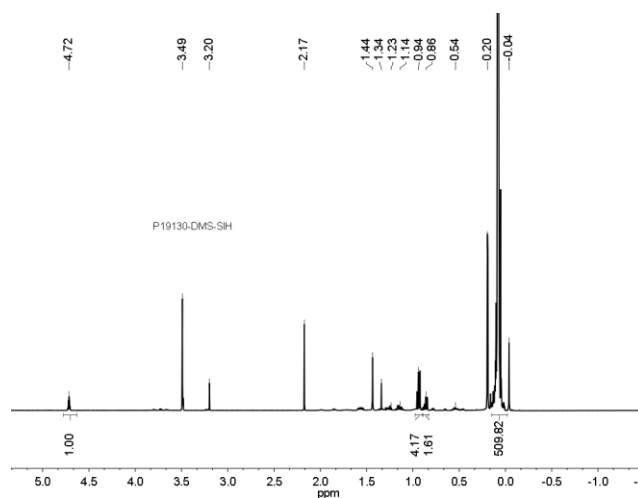


**Characterization:**

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.

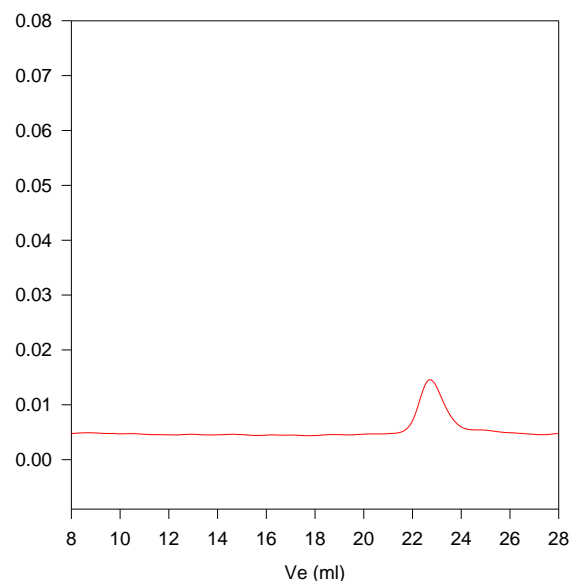
**Solubility:**

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



**SEC of Sample:**

**P19130-DMSSiH**



Size Exclusion Chromatography of monosilan terminated PDMS

$M_n = 6,000$ ,  $M_w = 7,000$ ,  $PI = 1.18$