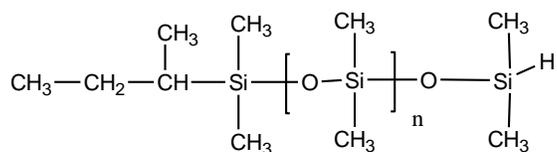


Sample Name:

**ω- Silane end Terminated Polydimethylsiloxane**

Sample #: **P42577-DMSSiH**

**Structure:**



**Composition:**

$M_n \times 10^3$	PDI
0.90	1.06
SiH functionality	>99%

**Synthesis Procedure:**

The polymer is prepared by anionic polymerization process.

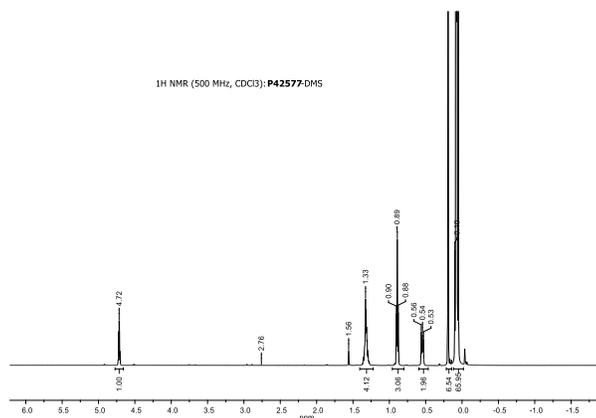
**Characterization:**

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.

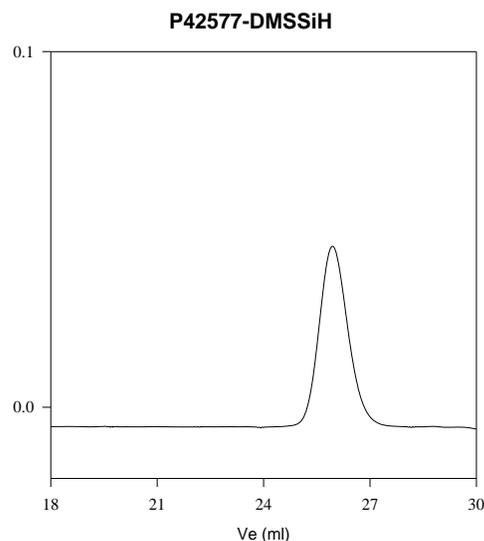
**Solubility:**

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

**<sup>1</sup>H-NMR spectrum of the product:**



**SEC profile of the product:**



Size exclusion chromatograph of PDMS

$M_n=900$   $M_w=950$ , PI=1.06