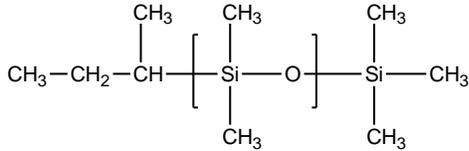


**Sample Name:** Poly(dimethyl siloxane), ( $\alpha$ -sec-butyl,  $\omega$ -trimethylsiloxy)-terminated

**Sample #:** P44382A-DMS-TMS

**Structure:**

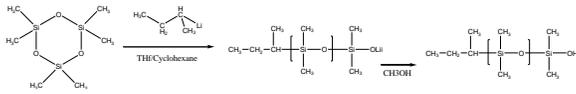


**Composition:**

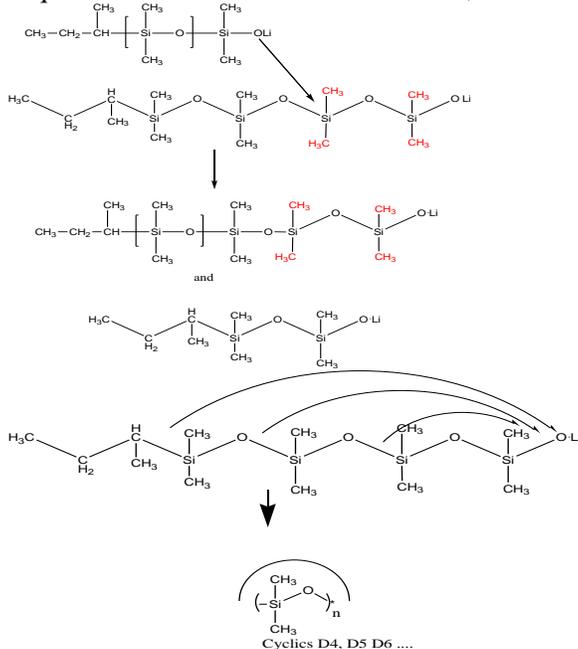
Mn x 10 <sup>3</sup>	PDI
60.0	1.35

**Synthesis Procedure:**

The polymer was synthesized by anionic process:



**Equilibration reaction size distribution;**



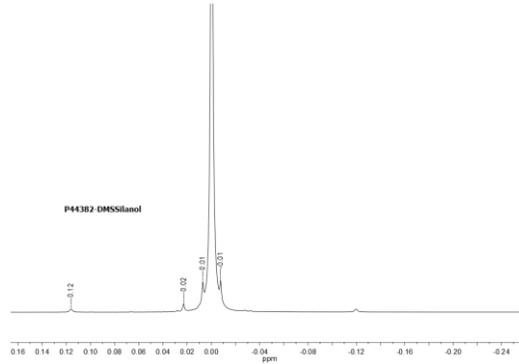
**Characterization:**

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography.

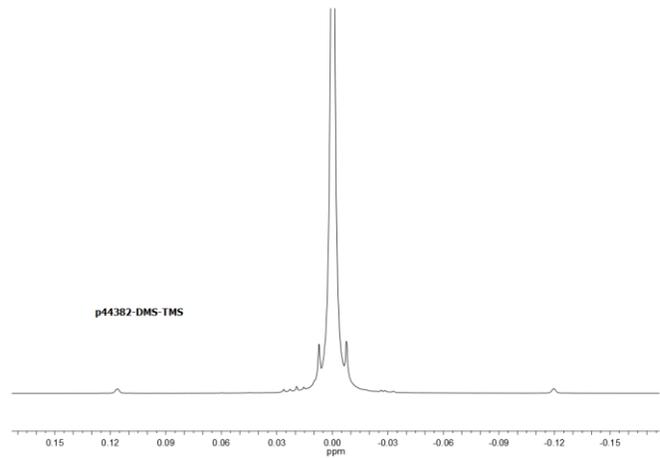
**Solubility:**

Polysiloxane is soluble in hexane, toluene, cyclohexane, THF and chloroform but precipitates from methanol and ethanol.

**HNMR spectrum of PDMS-Silanol:**



**HNMR spectrum of PDMS-TMS:**



**SEC profile of Homopolymer:**

