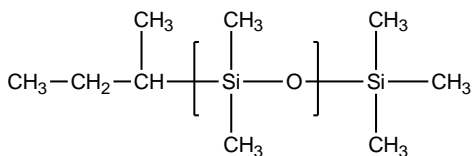


Sample Name: Poly(dimethyl siloxane), (α -sec-butyl, ω -trimethylsiloxy)-terminated

Sample #: P44382A-DMS-TMS

Structure:

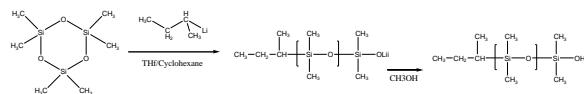


Composition:

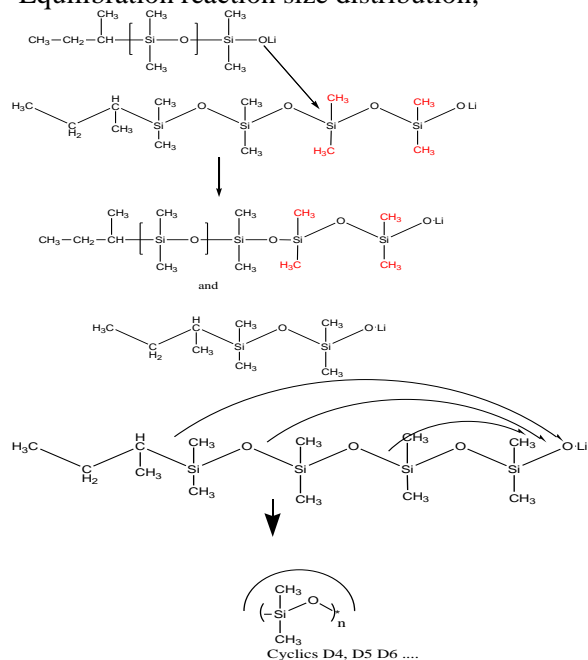
Mn x 10 ³	PDI
60.0	1.35

Synthesis Procedure:

The polymer was synthesized by anionic process:



Equilibration reaction size distribution;



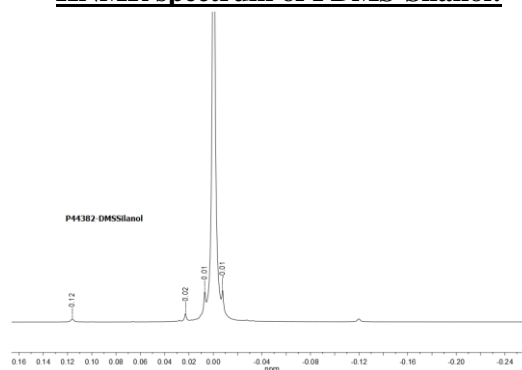
Characterization:

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

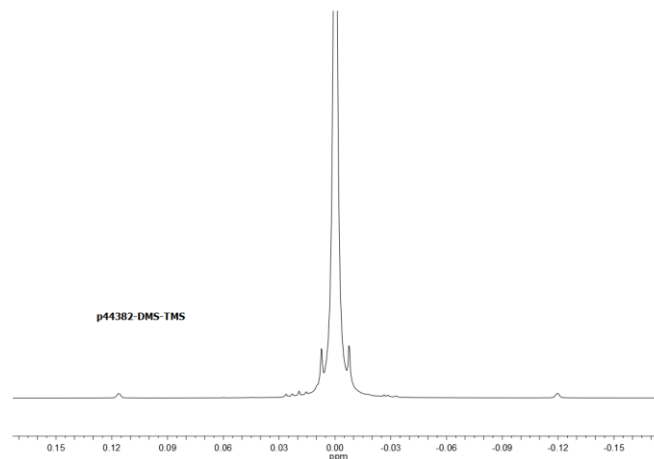
Solubility:

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:

