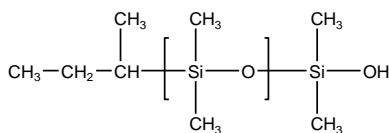


Sample Name: Poly(dimethyl siloxane), (α -sec-butyl, ω -silanol)-terminated

Sample #: P44310E-DMS-Silanol

Structure:

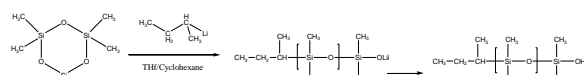


Composition:

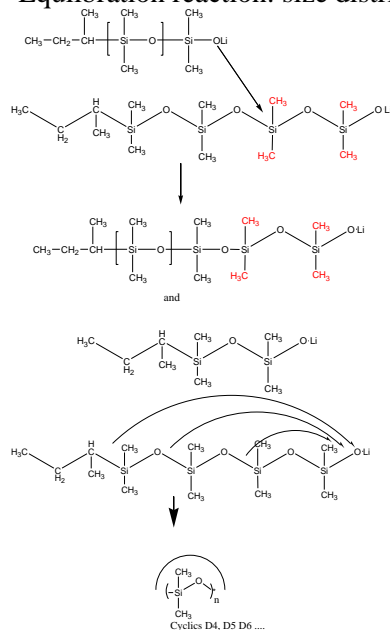
Mn x 10 ³	PDI
5.0	1.27

Synthesis Procedure:

The polymer was synthesized by anionic process:



Equilibration reaction: size distribution.



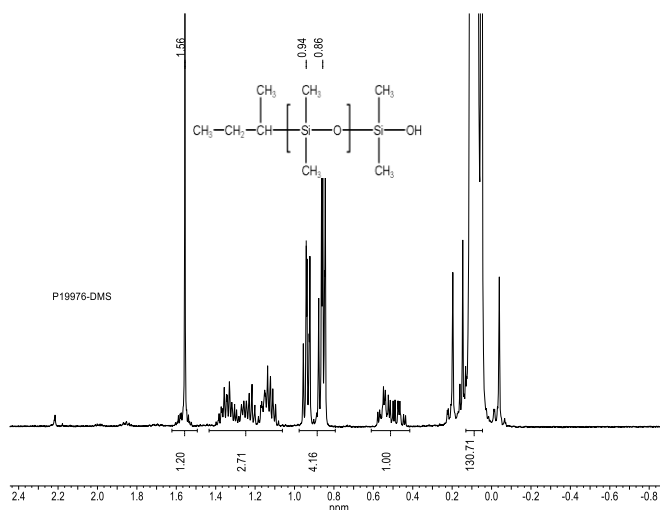
Characterization:

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

Solubility:

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

¹H NMR spectrum of the polymer:



SEC elugram of the homopolymer:

