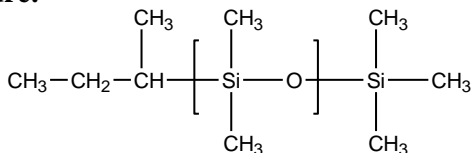


Sample Name: Poly(dimethyl siloxane), (α -sec-butyl, ω -trimethylsiloxy)-terminated

Sample #: P44372A-DMS-TMS

Structure:

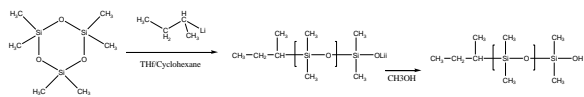


Composition:

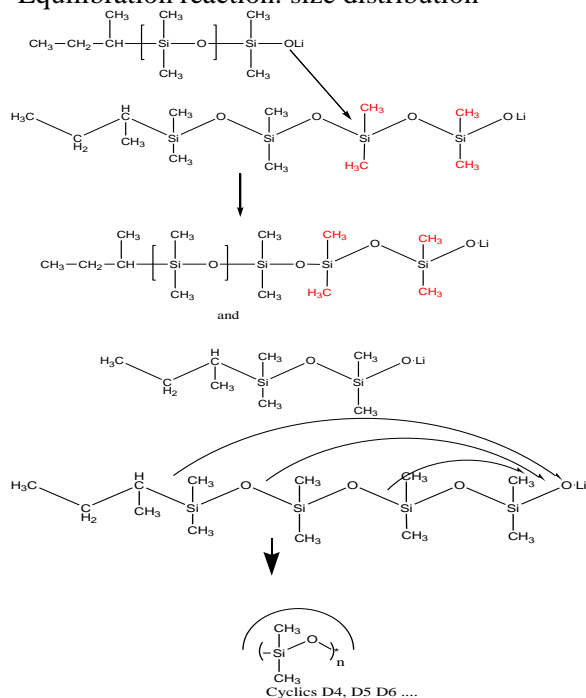
Mn x 10 ³	PDI
10.0	1.28

Synthesis Procedure:

The polymer was synthesized by anionic process:



Equilibration reaction: size distribution



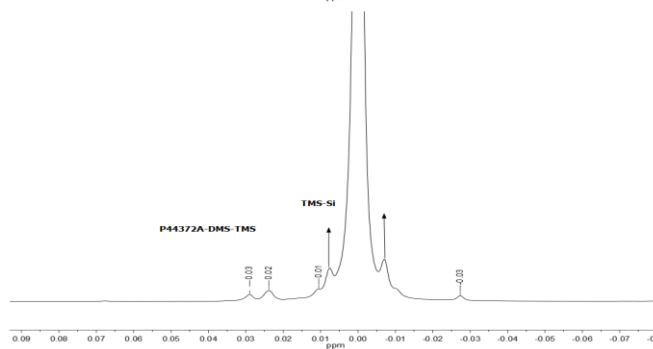
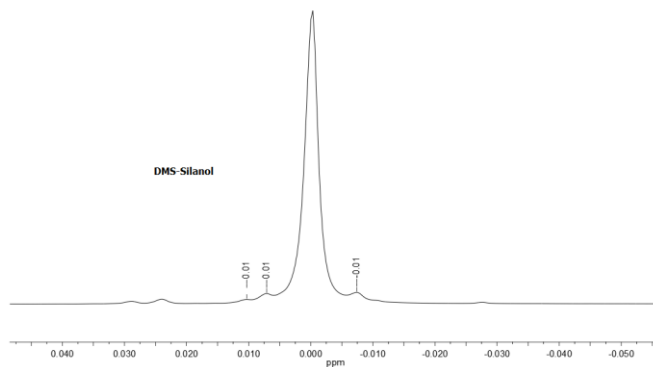
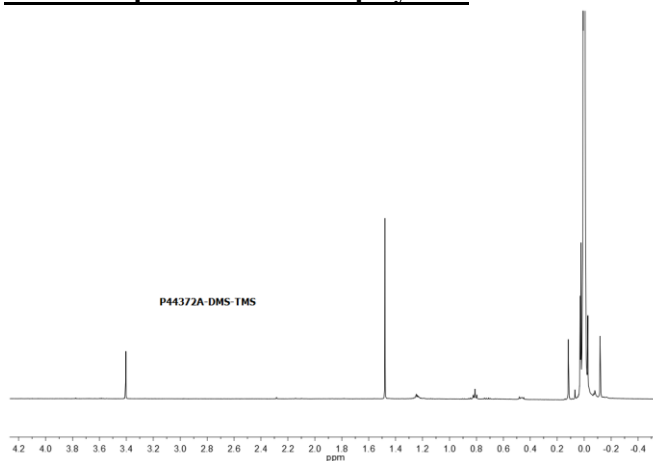
Characterization:

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.

¹H NMR spectrum of Homopolymer:



SEC elugram of Homopolymer:

