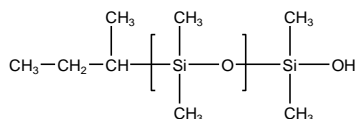


Sample Name: Poly(dimethyl siloxane), (α -sec-butyl, ω -silanol)-terminated

Sample #: P44346N-DMS-Silanol

Structure:

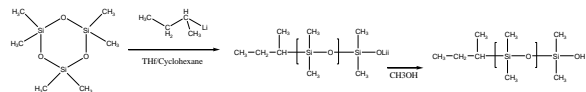


Composition:

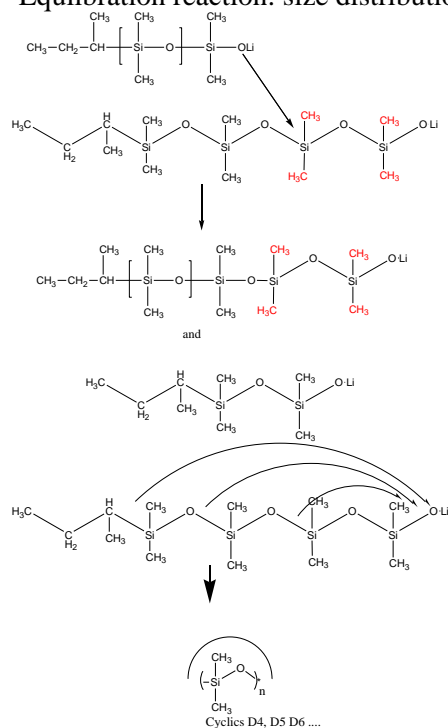
Mn x 10 ³	PDI
4.0	1.17

Synthesis Procedure:

The polymer was synthesized by anionic polymerization 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.

SEC elugram of the homopolymer:

