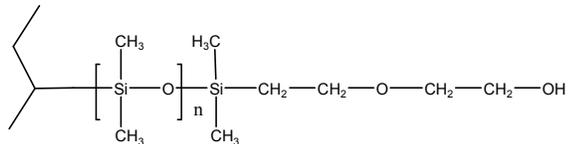


Sample Name:
Moncarbinol Terminated Polydimethylsiloxane

Sample #: P5670-DMSOH

Structure:

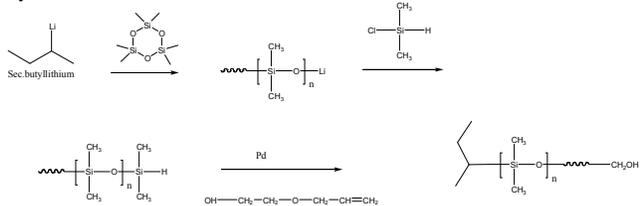


Composition:

Mn x 10 ³	PDI
2.0	1.14

Synthesis Procedure:

monohydroxyl (carbinol) terminated poly(dimethyl siloxane) was prepared by living anionic polymerization of hexamethyl cyclotrisiloxane. The scheme of the reaction is illustrated below:

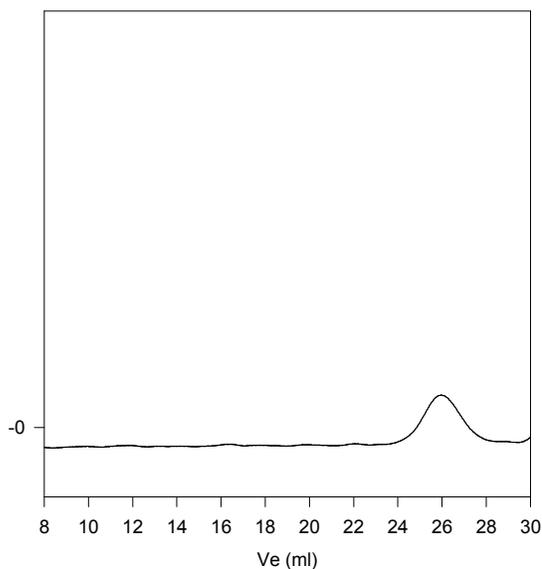


Characterization:

The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

SEC of Sample:

P5670-DMSOH



Size exclusion chromatography of
 — Poly(DMS)Carbinol terminated, M_n=2000 Mw: 2240 Mw/Mn 1.14

Reference:

1. J.X. Zhang, S.K. Varshney, "Simple Approach for the Scale-up Production of Block Copolymer of Polydimethylsiloxane with (Meth)acrylic Ester Monomers" *Designed Monomers and Polymers*, 2002, 1, 79.