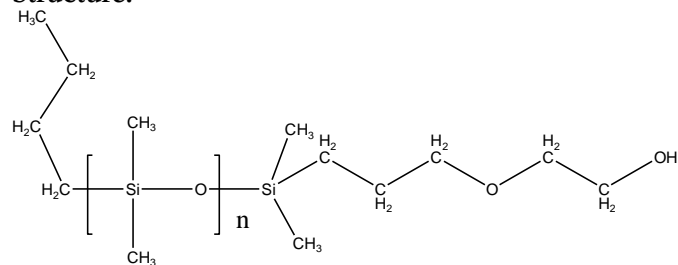


Sample Name: Hydroxy (carbinol) Terminated  
Polydimethylsiloxane-Monofunctional  
Sample #: P19164-DMSOH

**Structure:**



**Composition:**

Mn x 10 <sup>3</sup>	PDI
1.0	1.15

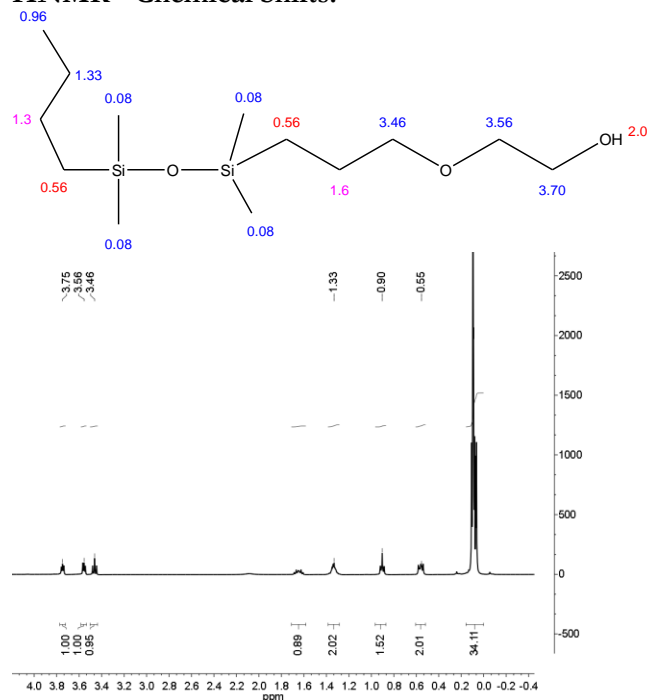
**Synthesis Procedure:**

Monohydroxyl (carbinol) terminated poly(dimethyl siloxane) was prepared by living anionic polymerization of hexamethyl cyclotrisiloxane. For the details please see the reference.

**Characterization:**

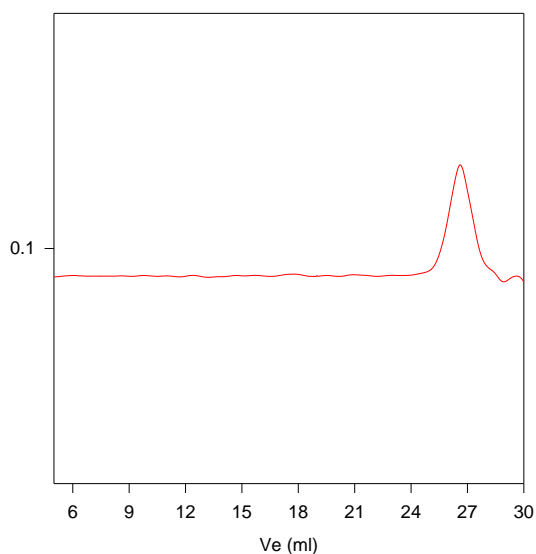
The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

**HNMR - Chemical Shifts:**



**SEC of Sample:**

**PDMSOH (carbinol) Lot# P19164**



Size exclusion chromatography of Carbinol terminated poly(dimethyl siloxane):

M<sub>n</sub>=1,000, M<sub>w</sub>=1,150 M<sub>w</sub>/M<sub>n</sub>=1.15, functionality>99% (cabinol)

**Reference:**

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.