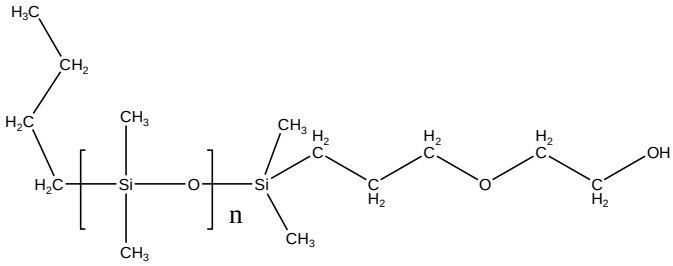
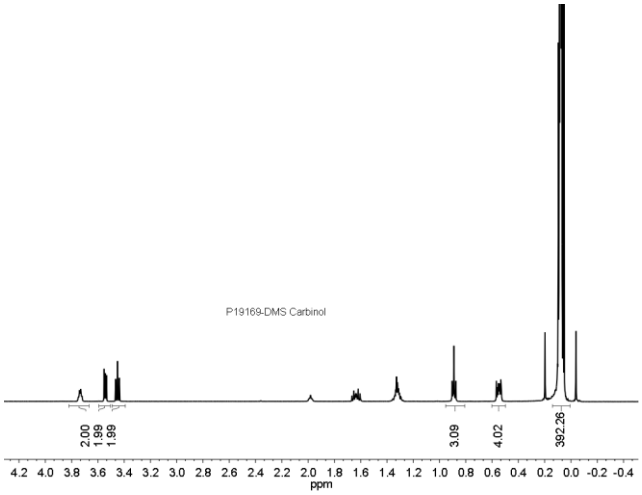
Sample Name:
Hydroxy (carbinol) Terminated Polydimethylsiloxane-Monofunctional

Sample #: **P19169-DMSOH**

Structure:





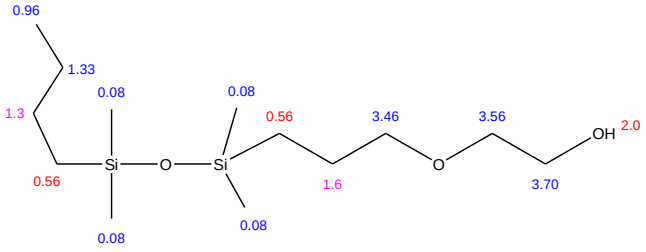
Composition:

Mn x 10^3	PDI
5.0	1.07
OH functionality	> 99%

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

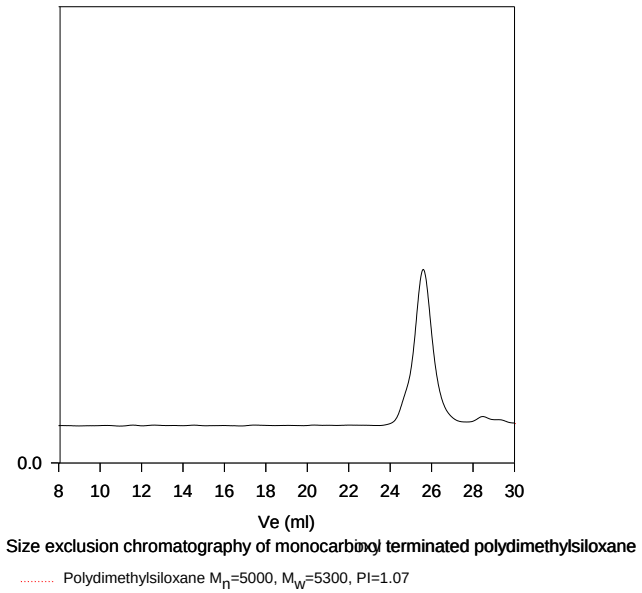
Characterization:
The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

H NMR - Chemical Shifts:



SEC of Sample:

P19169-DMSOH (carbinol)



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.