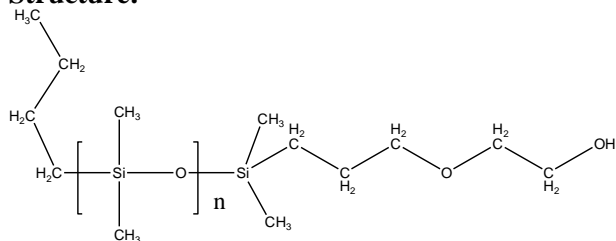


Sample Name:
Hydroxy (carbinol) Terminated
Polydimethylsiloxane-Monofunctional

Sample #: P41711-DMSOH

Structure:



Composition:

Mn x 10 ³	PDI
5.0	1.10
OH functionality	> 99%

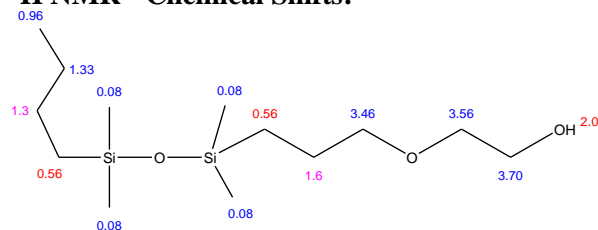
Synthesis Procedure:

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

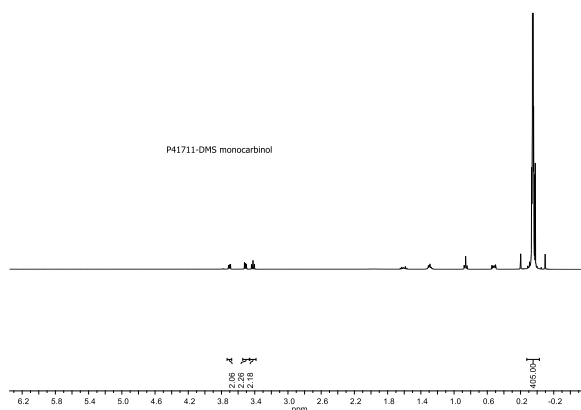
Characterization:

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 and the product was characterized by size exclusion chromatography (SEC) and ¹H NMR.

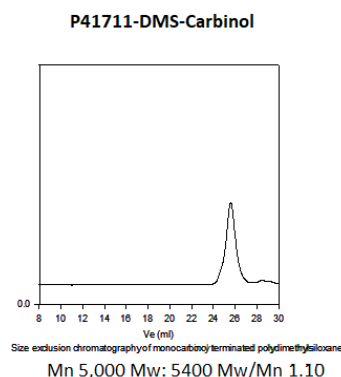
¹H NMR - Chemical Shifts:



¹H NMR spectrum of P41711-DMS-monocarbinol:



SEC elugram of Sample:



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.