

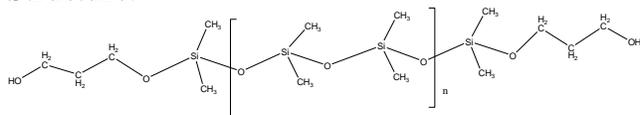
**Sample Name:**  $\alpha,\omega$ -dicarbinol Terminated Poly dimethylsiloxane  
**Propyl linker**

**SEC of Sample:**

**Sample #:** P11099BB-DMS2OH

**P11099BB-DMS**

**Structure:**



**Composition:**

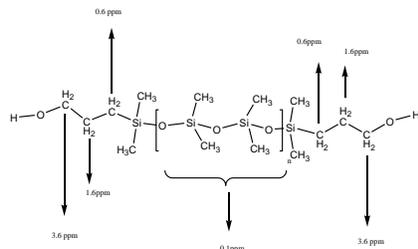
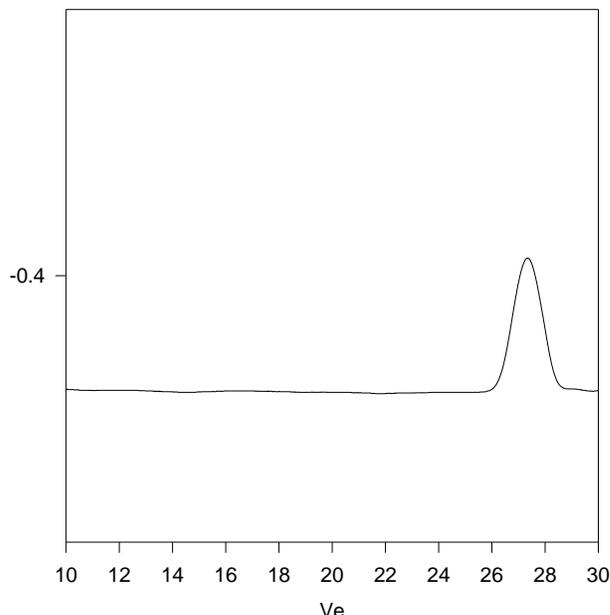
Mn x 10 <sup>3</sup>	PDI
0.9	1.09

**Synthesis Procedure:**

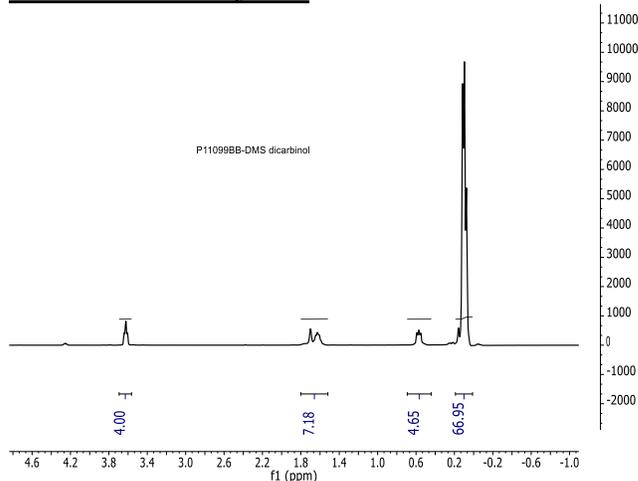
dihydroxyl (carbinol) terminated poly(dimethyl siloxane) was prepared by living anionic polymerization of hexamethyl cyclotrisiloxane. Silanol end groups were then modified to carbinol end groups.

**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 of the Polymer:**



**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.