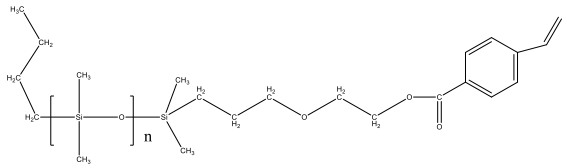
Sample Name:
Poly(dimethylsiloxane),ω-vinylbenzoyl-terminated.

Sample #: **P42473-DMS-vinylBZ**

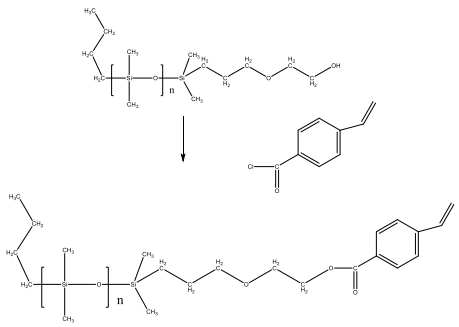
Structure:



Composition:

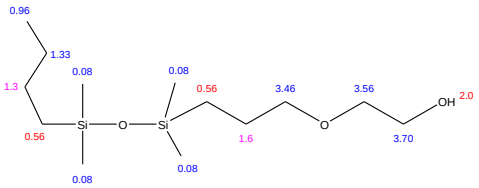
Mn x 10^3	PDI
10.0	1.10
functionality	> 95%

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

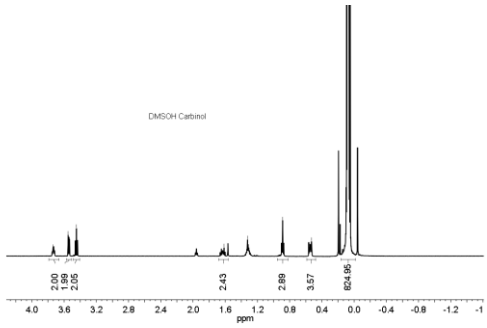


Characterization:
The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using an Agilent liquid chromatograph equipped with triple detectors. The product was characterized by size exclusion chromatography (SEC) and ^{1}H NMR.

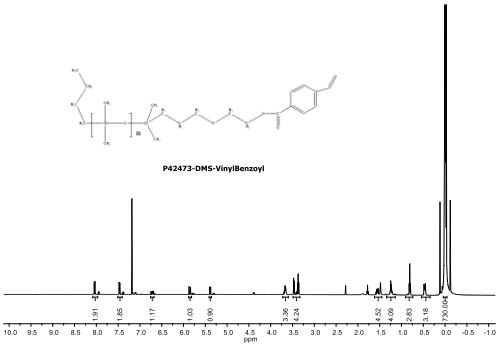
^{1}H NMR - Chemical Shifts:



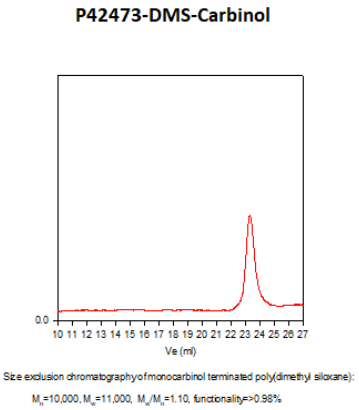
^{1}H NMR spectrum of DMSOH Carbinol:



^{1}H NMR spectrum of the sample:



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.