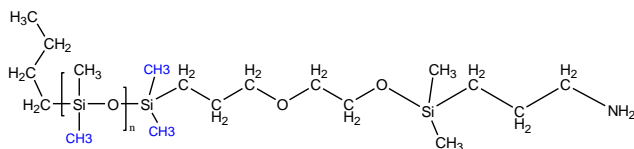


Sample Name:

Amino Terminated Polydimethylsiloxane

Sample #: **P19169A-DMSNH2**

Structure:



Composition:

Mn x 10 ³	PDI
5.0	1.07
NH2 by titration	> 60%

Synthesis Procedure:

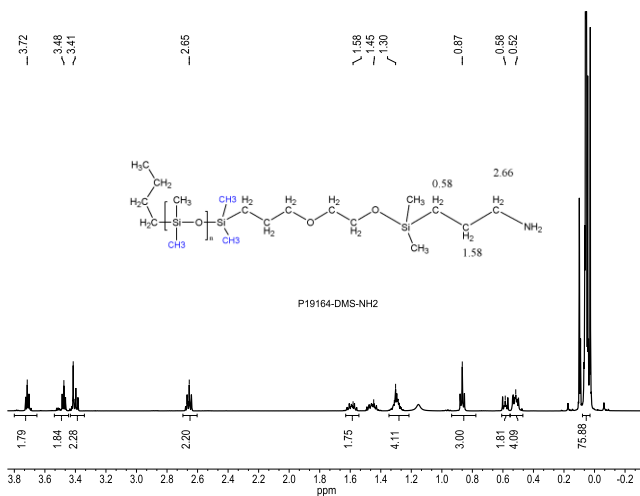
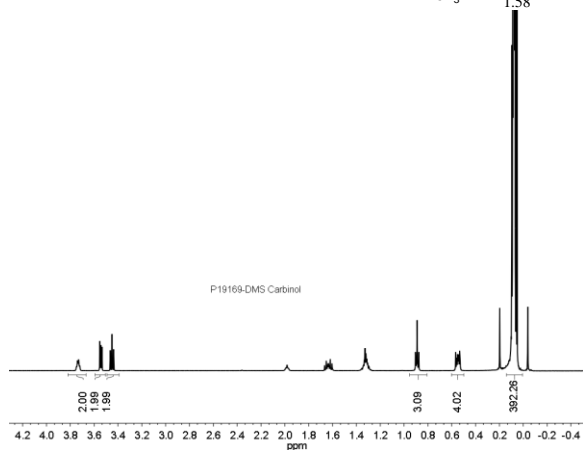
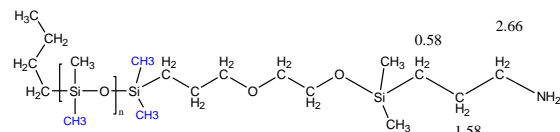
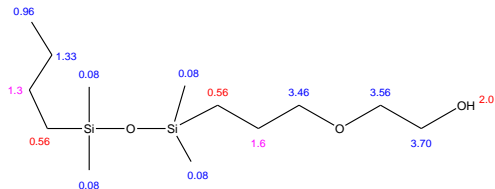
Amino terminated polydimethylsiloxane was prepared by anionic living polymerization of hexamethyl cyclotrisiloxane .

Ref: 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.

Characterization:

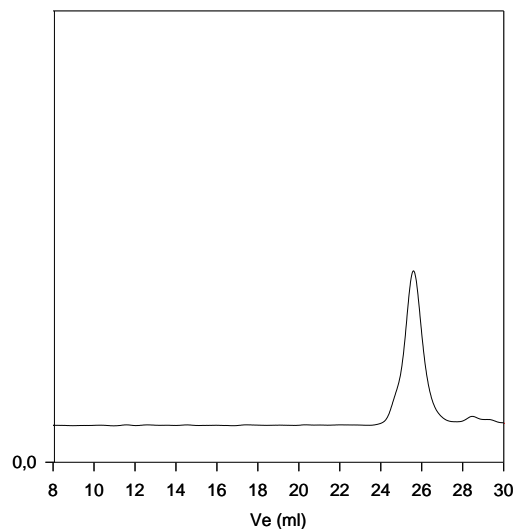
By HNMR and GPC; FTIR analysis

H NMR - Chemical Shifts :



SEC of Sample:

P19169A-DMSOH (carbinol) used for PDMS-NH2



Size exclusion chromatography of monocarbinol terminated polydimethylsiloxane

..... Polydimethylsiloxane M_n=5000, M_w=5300, PI=1.07