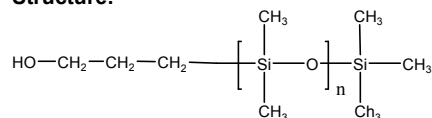


Sample Name:
Moncarbinol Terminated Polydimethylsiloxane

Sample #: P5358-DMSOH

Structure:

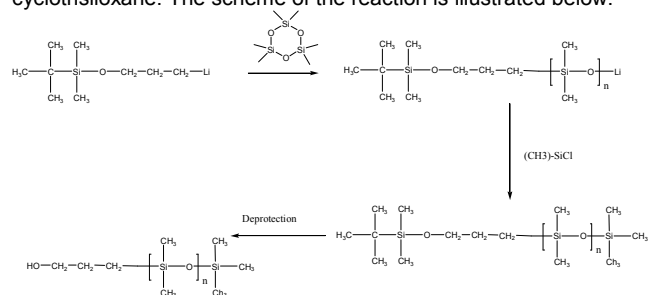


Composition:

Mn x 10 ³	PDI
12.0	1.15

Synthesis Procedure:

monohydroxyl (carbinol) terminated poly(dimethyl siloxane) was prepared by living anionic polymerization of hexamethyl cyclotrisiloxane. The scheme of the reaction is illustrated below:

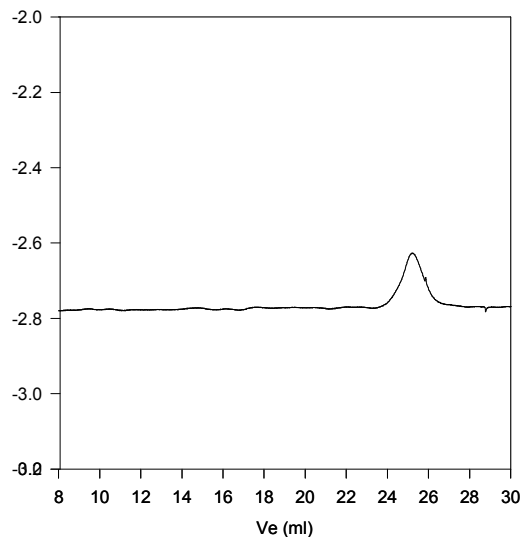


Characterization:

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.

SEC of Sample:

P5358-DMSOH (carbinol)



Size exclusion chromatography of moncarbinol terminated polydimethylsiloxane

..... Polydimethylsiloxane M_n=12000, M_w=13800, PI=1.15

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.