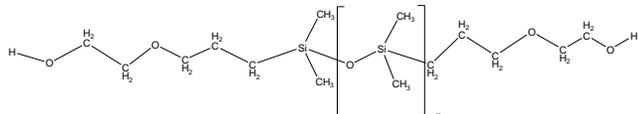


Sample Name: Poly(dimethylsiloxane), α , ω -bis (hydroxy [carbinol])-terminated

Propyl Ethoxy linker

Sample #: P43516-DMS2OH

Structure:

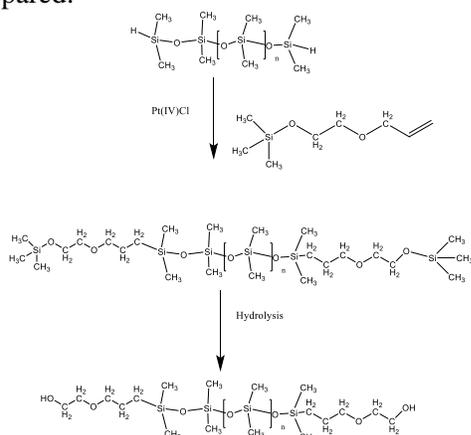


Composition:

Mn x 10 ³	PDI
6.5	1.5

Synthesis Procedure:

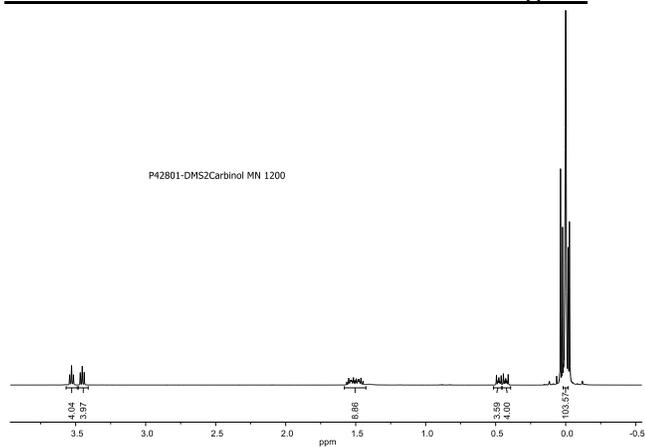
The following reaction scheme shows how the product was prepared:



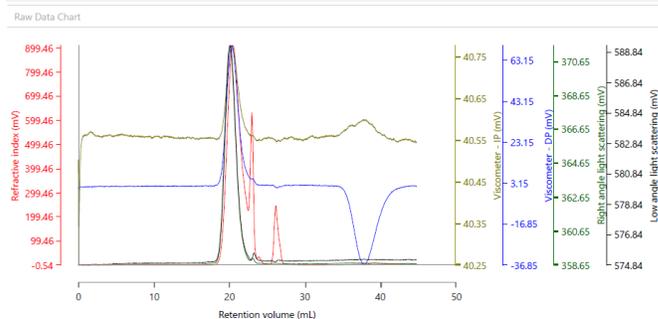
Characterization:

The product was characterized by size exclusion chromatography (SEC) and ¹H NMR data analysis.

¹H-NMR spectrum of the PDMS end functionalized with Carbinol to determine molecular weights:



SEC profile of the P42801-DMS2SiH:



Injection Name	Mn (g/mol)	Mw (g/mol)	Mp (g/mol)	Mw/Mn
P43516 re. Injection 1, Peak 1	6,557	9,750	8,459	1,487

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.