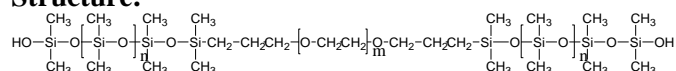


Sample Name: Poly(dimethyl siloxane-b-ethylene oxide-b-dimethyl siloxane)

Sample #: P44030-DMSEODMS

Structure:



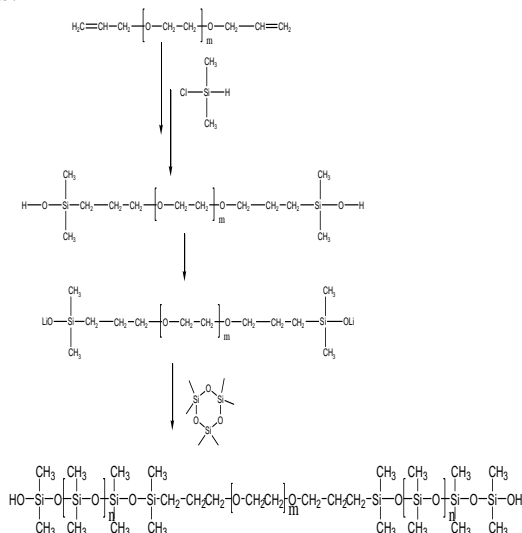
Composition:

Mn x 10 ³ PDMS-b-PEO-b-PDMS	PDI
2.0-b-20.0-b-2.0	1.4

Dp: 27-b-454-b-27
From HNMR

Synthesis Procedure:

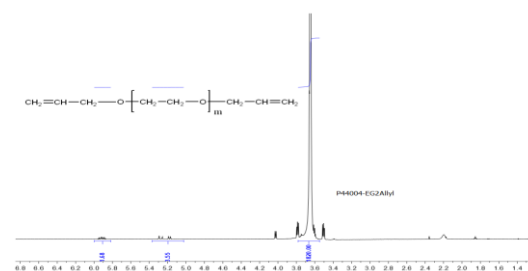
The polymer can be obtained by one of the following routes:



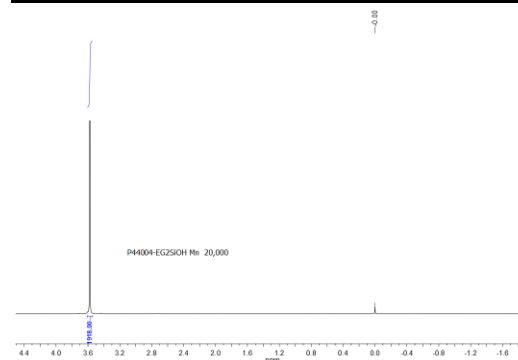
Characterization:

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

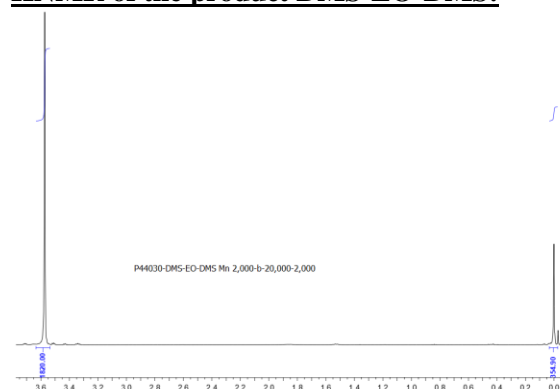
¹H-NMR of allyl terminated PEO Mn 20,000



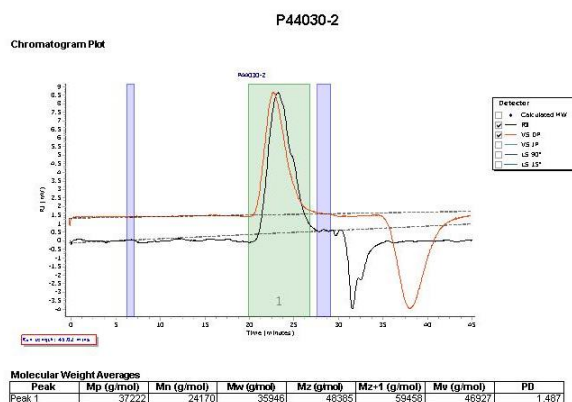
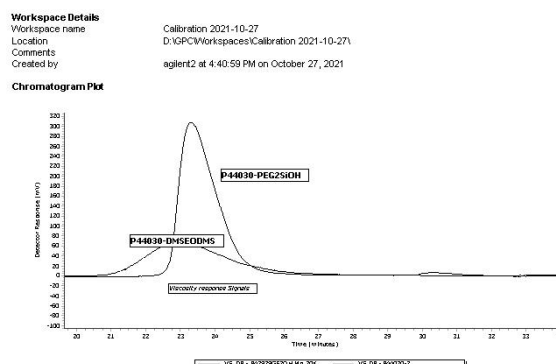
¹H-NMR Spectrum of the EG-2SiOH terminated:



HNMR of the product DMS-EO-DMS:



SEC profile of the polymer:



Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mz (g/mol)	PDI
Peak 1	37222	24170	35946	48385	59458	46927	1.487