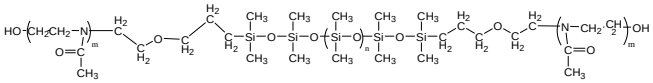
Sample Name:
Poly(2-methyloxazoline–*b*–dimethylsiloxane–*b*–2-methyloxazoline) Triblock Copolymer

Sample #: **P42781-MEOXZDMSMEOXZ**

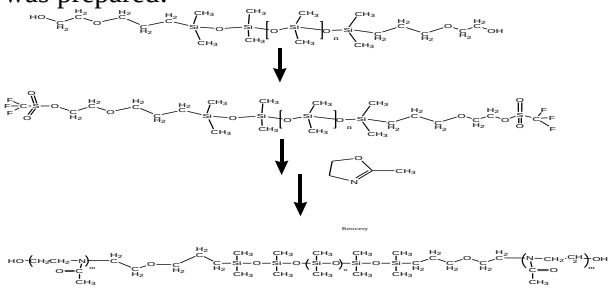
Structure:



Composition:

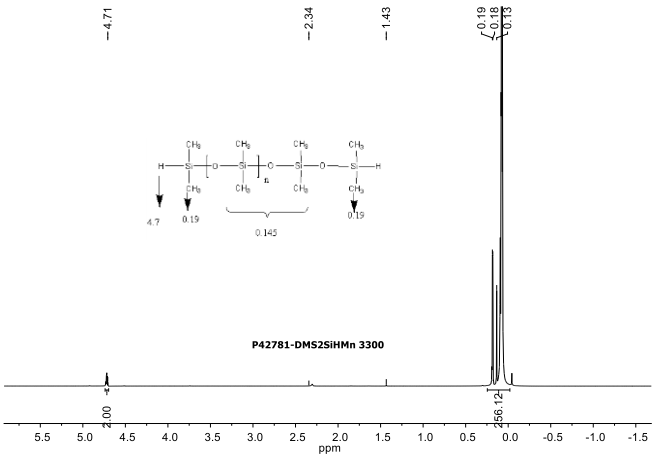
Mn x 10^3 MOXZ-DMS-MOXZ	PDI	Dp:
0.5-b-3.3-b-0.5	1.27	6-b-44-b-6

Synthesis Procedure:
The following reaction scheme shows how the product was prepared:

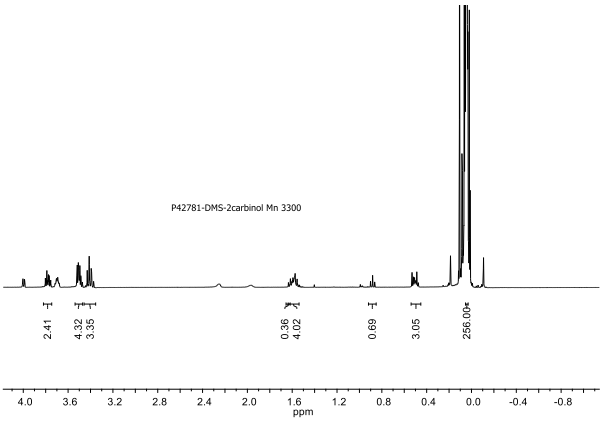


Characterization:
The product was characterized by ^{1}H-NMR. GPC analysis of such kind of polymer cannot be carried out in THF or DMF as solvent. We have used a mixture of DMF/THF 20/80 by volume and added 3 V% (Et)3N to elute such polymer. The values of Mw/Mn were determined, and the composition of the polymer determined by its HNMR.

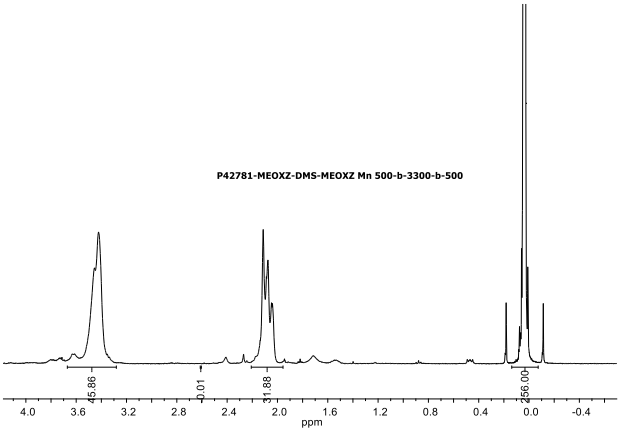
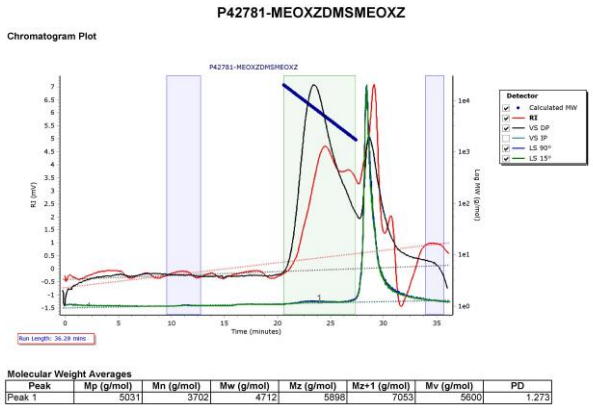
^{1}H-NMR spectrum of PDMS-2SiH:



^{1}H-NMR spectrum of PDMS-2OH (dicarbinol):



^{1}H-NMR spectrum of MOXZ-DMS-MOXZ triblock copolymer:



SEC elugram of the sample: