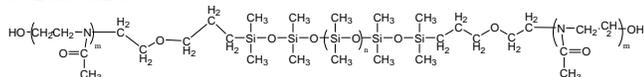


Sample Name:

Poly(2-methyloxazoline-*b*-dimethylsiloxane-*b*-2-methyloxazoline) Triblock Copolymer

Sample #: **P42786-MEOXZDMSMEOXZ**

Structure:

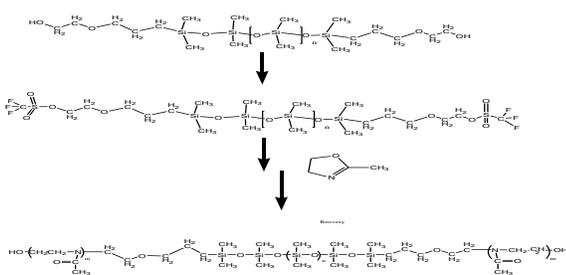


Composition:

Mn x 10 ³ MOXZ-DMS-MOXZ	PDI	Dp:
2.8-b-10.5-b-2.8	1.26	33-b-142-b-33

Synthesis Procedure:

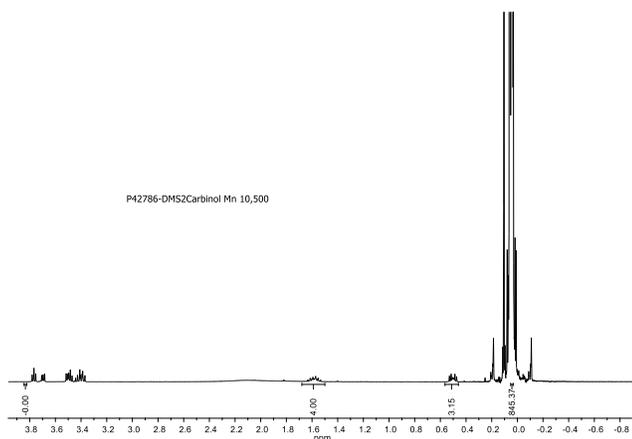
The following reaction scheme shows how the product was prepared:



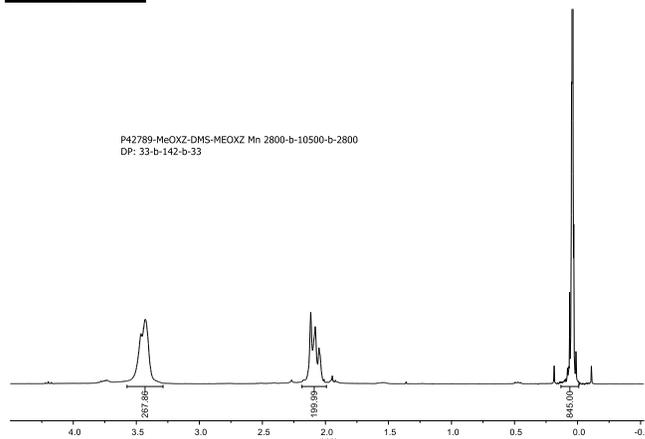
Characterization:

The product was characterized by ¹H 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.

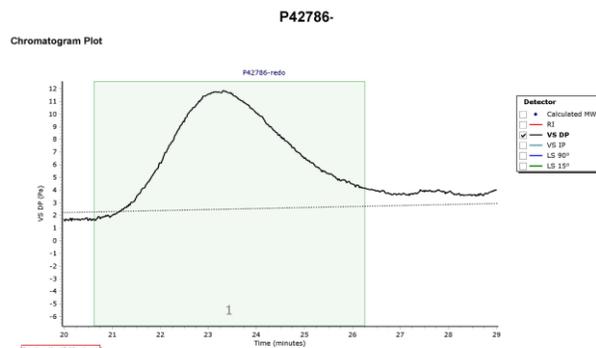
¹H-NMR spectrum of PDMS-2OH (dicarbinol):



¹H-NMR spectrum of MOXZ-DMS-MOXZ triblock copolymer:



SEC elugram of the sample:



Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	22094	15794	20029	24747	29076	24974	1.268