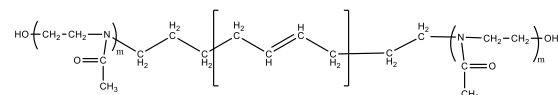


Poly(2-methyl oxazoline)-b-poly(1,4-butadiene)-b-poly(2-methyl oxazoline)

Sample #: **P43939A-MOXZBdMOXZ**

Structure:

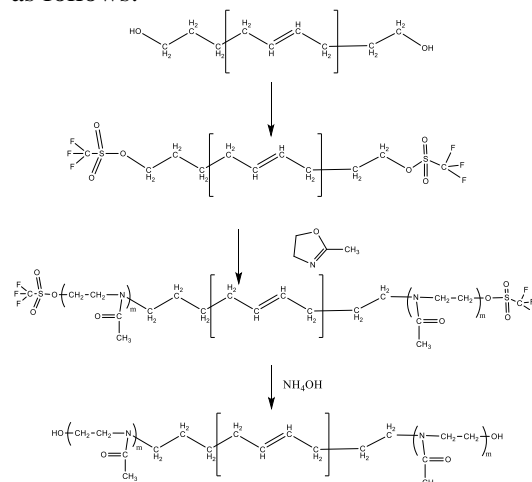


Composition:

Mn x 10 ³	PDI
2.0-b-2.5-2.0	1.3
Dp of each block 24-b-46-b-24	
Poly butadiene rich in 1,4 addition over 92%	

Synthesis Procedure:

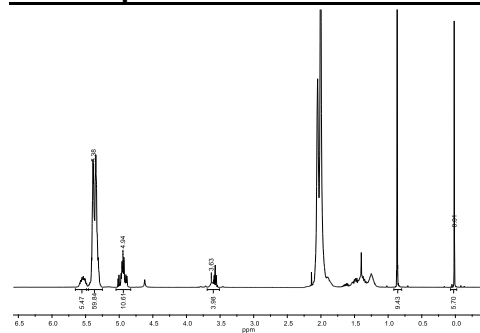
The reaction of polymerization can be illustrated as follows:



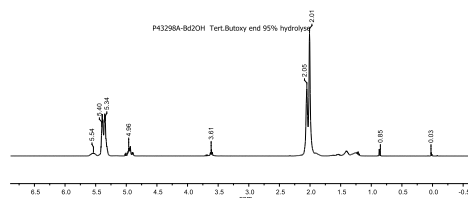
Characterization:

The product was characterized by size exclusion chromatography (SEC) and ¹HNMR.

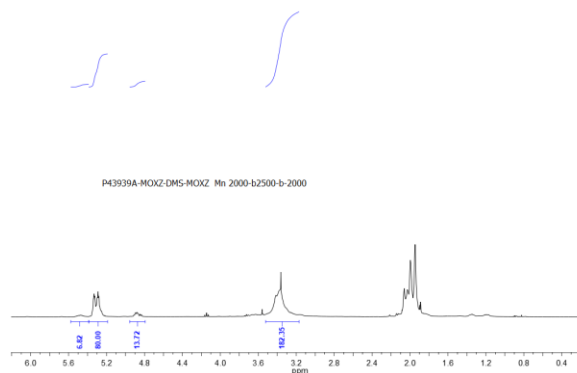
HNMR spectrum of BDOH-tBuDMSiloxy:



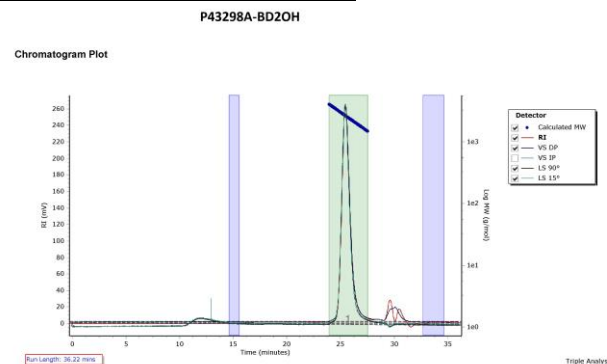
H NMR spectrum of the Bd2OH Sample:



HNMR spectrum of the Triblock copolymer:



SEC elugram of the Sample:



Molecular Weight Averages							
Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	2651	2527	2572	2612	2649	2602	1.01