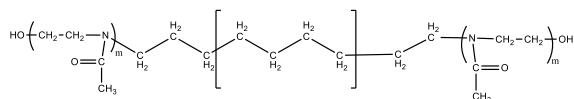


Sample Name:  
**Poly(2-methyl oxazoline)-b-poly(ethylene)-b-poly(2-methyl oxazoline)**

Sample #: **P43882-MOXZEMOXZ**

**Structure:**

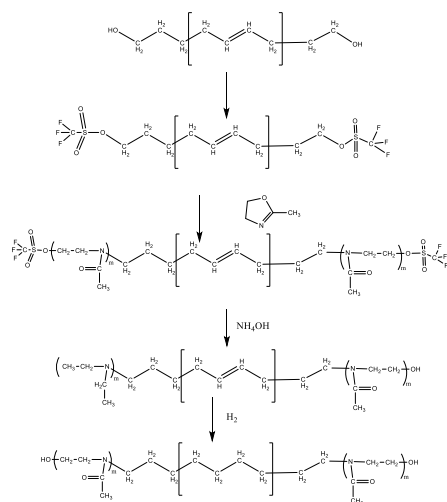


**Composition:**

Mn x 10 <sup>3</sup>	PDI
0.60-b-2.7-b-0.60	1.3
Dp of each block 7-b-192-b-7	

**Synthesis:**

The following reaction scheme shows how the product was prepared:



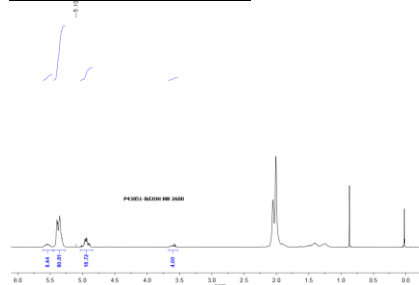
**Characterization:**

The product was characterized by Size exclusion chromatography (SEC) and HNMR

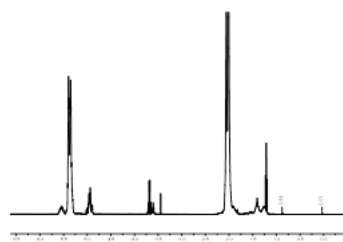
**Solubility:**

Solvents	
Toluene	Yes
THF	Yes
DCM	Yes
Toluene/Methanol 60/40 by volume	Yes
Chlorobenzene	Yes
Methanol	NO

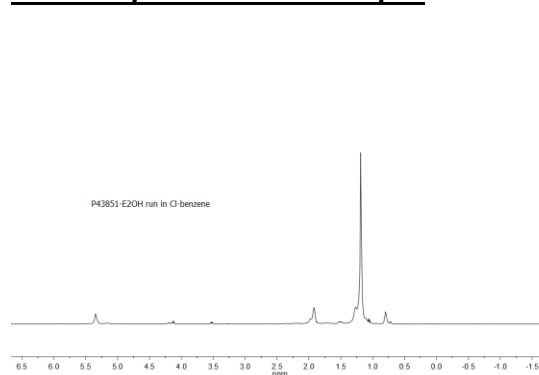
**<sup>1</sup>H-NMR spectrum of the Product: Tert Butyldimethylsiloxyl OH terminated: Lot# P43851A was used:**



**Cleavage of tert. Butyl Dimethylsiloxyl end group using (Bu)<sub>4</sub>NF in THF:**

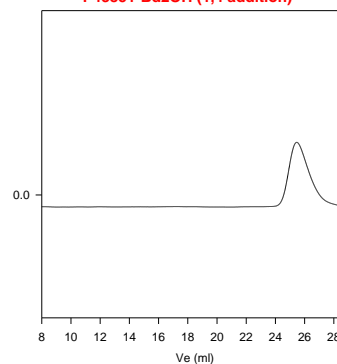


**H NMR spectrum of the Sample:**



**SEC profile of the Bd2OH Sample:**

**P43851-Bd2OH (1,4 addition)**



Size exclusion chromatography of poly(butadiene)  
 — Polybutadiene M<sub>n</sub>=2,600, M<sub>w</sub>=2800, PI=1.02