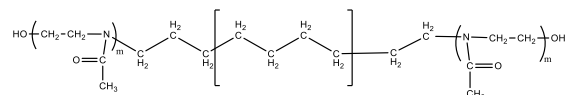


Sample Name:

Poly(2-methyl oxazoline)-b-poly(ethylene)-b-poly(2-methyl oxazoline)

Sample #: **P43865-MOXZEMOXZ**

Structure:

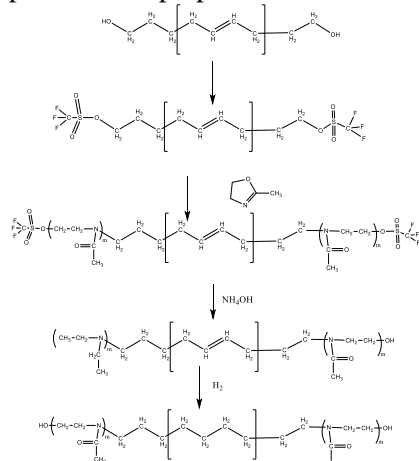


Composition:

Mn x 10 ³	PDI
1.5-b-3.0-b-1.5	1.3
Dp of each block 14-b-214-b-14	

Synthesis:

The following reaction scheme shows how the product was prepared:

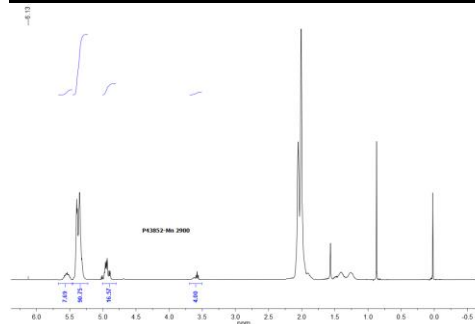


Characterization:

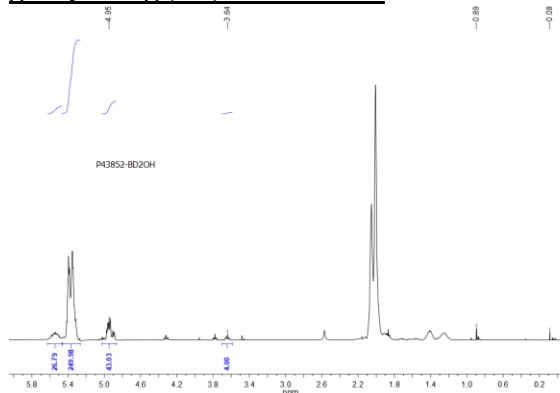
The product was characterized by size exclusion chromatography (SEC) and ¹H NMR data analysis.

¹H-NMR spectrum of polymer

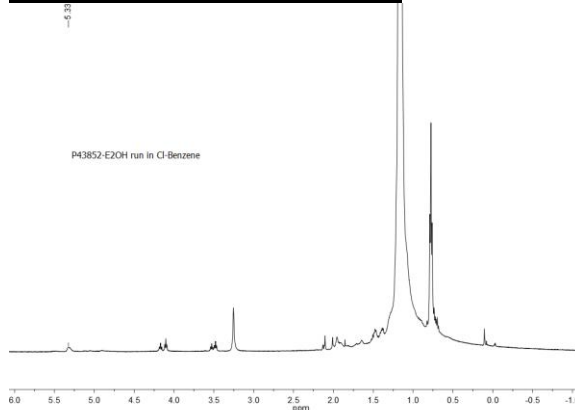
tBudimethylSiloxyl-PBD-OH: Lot# P43852



Cleavage of tert-Butyl Dimethylsiloxyl end group using (Bu)₄NF in THF:

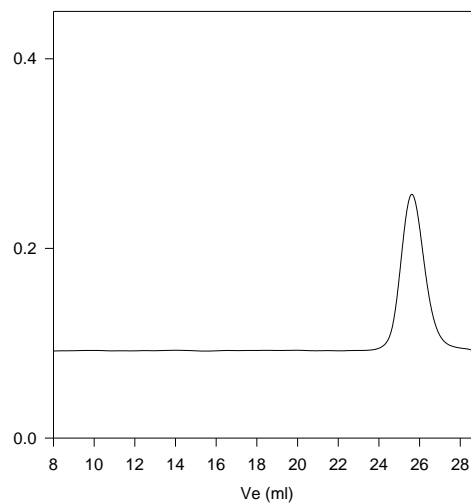


¹H-NMR of the polymer PE2OH run in Chloro Benzene at Room Temperature



SEC profile of Bd2OH Sample: P43852

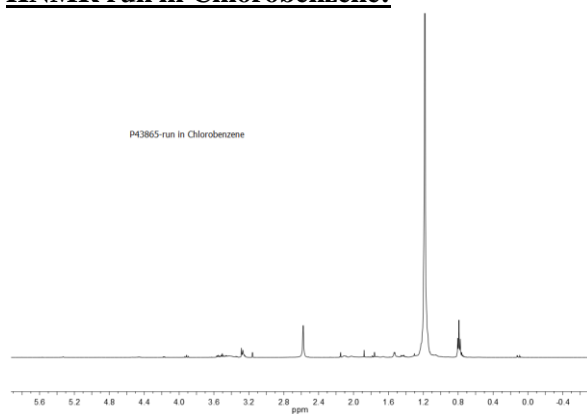
P43852-BdOH (1,2 addition)



Size exclusion chromatography of poly(butadiene-b-ethylene oxide):

— 1,4 rich polybutadiene M_n=2,900, M_w=3,000, PI=1.02

HNMR run in Chlorobenzene:



HNMR run in mixture of Chlorobenzene and methanol:

