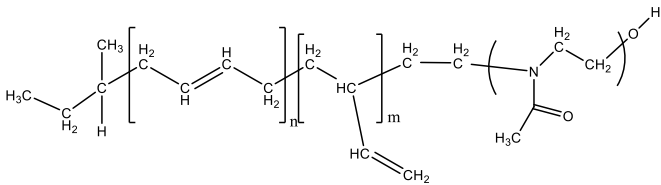


Sample Name:
Poly (butadiene-b-methyl oxazoline)
Poly butadiene rich in 1,2

Sample #: P41748A-BdMEOXZ

Structure:



Composition:

Mn x 10 ³ Bd-b-MEOXZ	Mw/Mn (PDI)	% 1,2 addition Butadiene
1.2-b-0.9	1.07	>85.0

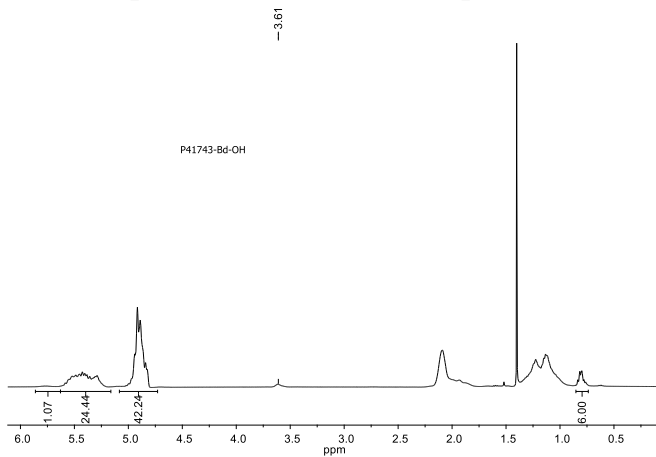
Synthesis:

The polymer was synthesized by ionic polymerization process.

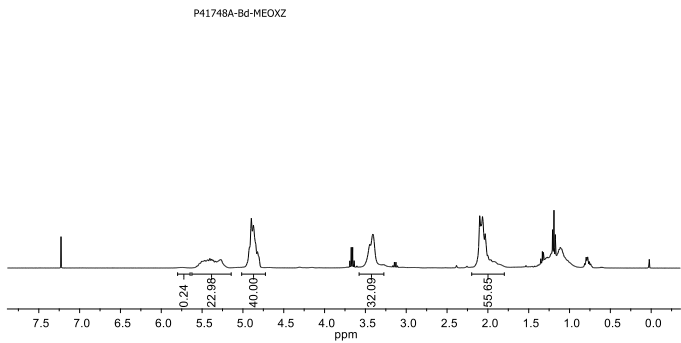
Characterization:

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

¹H NMR spectrum of the BdOH sample:



HNMR spectrum of Diblock Copolymer:

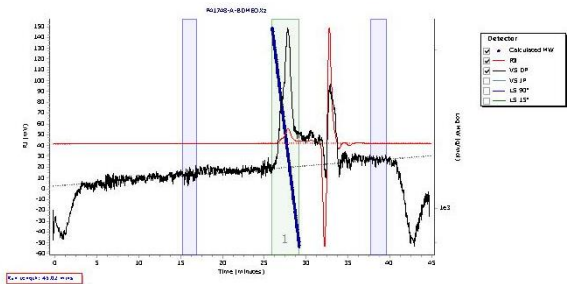


SEC profile of the block copolymer:

Agilent GPC/SEC Software

P41748-A-BDMEOXz

Chromatogram Plot



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	1503	1435	1544	1657	1772	1602	1.076

Processing Parameters