

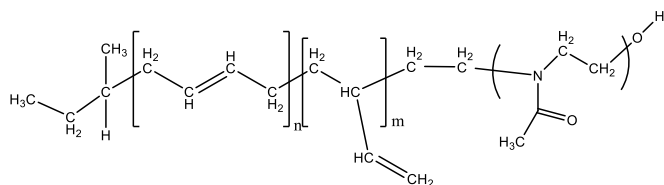
Sample Name:

Poly (butadiene-b-methyl oxazoline)

Poly butadiene rich in 1,2

Sample #: **P41748-BdMEOXZ**

Structure:



Composition:

Mn x 10 ³ Bd-b-MEOXZ	Mw/Mn (PDI)	% 1,2 addition Butadiene
1.2-b-1.1	1.01	>85.0

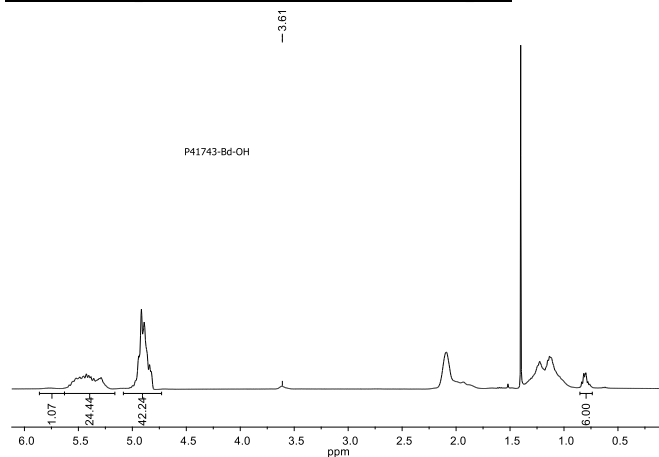
Synthesis:

The polymer was synthesized by ionic polymerization process.

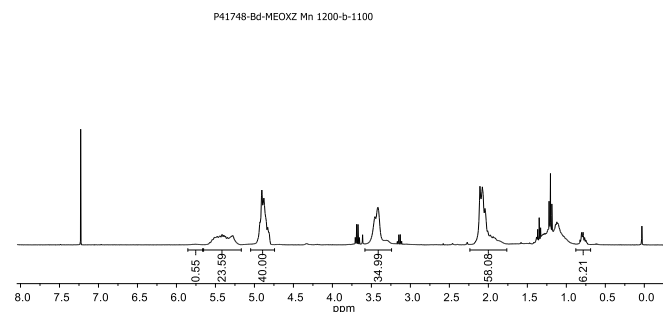
Characterization:

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

¹H NMR spectrum of the BdOH sample:



¹H NMR spectrum of Diblock Copolymer:

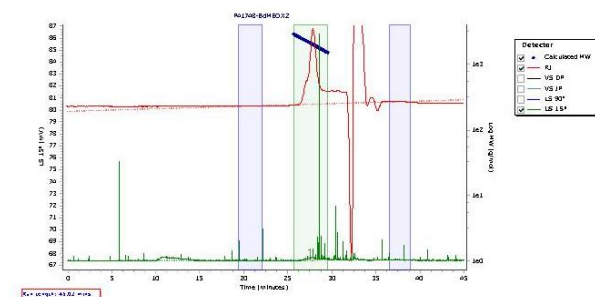


SEC profile of the block copolymer:

Agilent GPC/SEC Software

P41748-BdMEOXZ

Chromatogram Plot



Molecular Weight Averages

Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mz (g/mol)	PD
Peak 1	2033	1985	2008	2030	2051	2020	1.011