

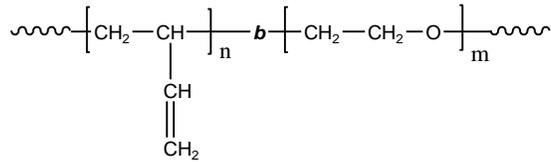
**Sample Name: Poly(butadiene-b-ethylene oxide)**

**Sample #: P41743B-BdEO**

*Poly butadiene rich in 1,2 microstructure*

*Contain 10-15 % dimer*

**Structure**



**Composition:**

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

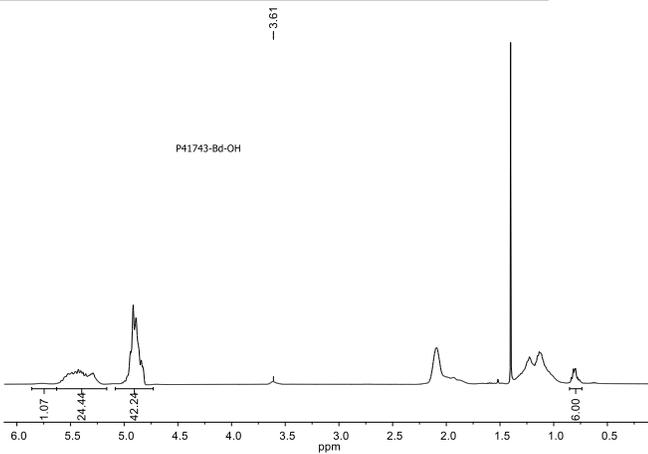
**Synthesis:**

The polymer was synthesized by anionic polymerization process.

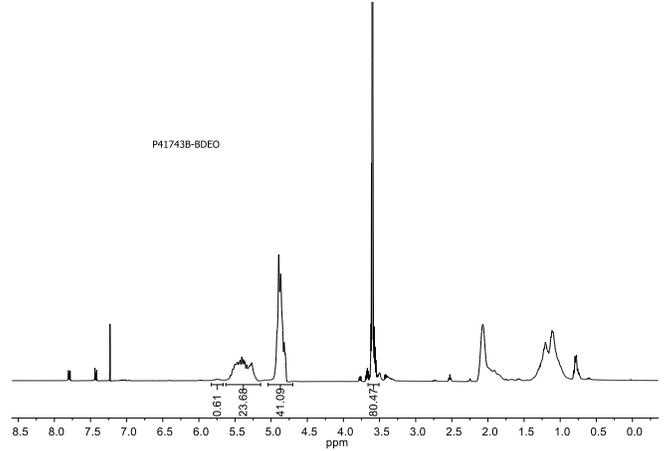
**Characterization:**

The product was characterized by size exclusion chromatography (SEC) and <sup>1</sup>H NMR

**<sup>1</sup>H NMR spectrum of the BdOH sample:**



**<sup>1</sup>H NMR spectrum of the sample:**



**SEC profile of the block copolymer:**

Agilent GPC/SEC Software

