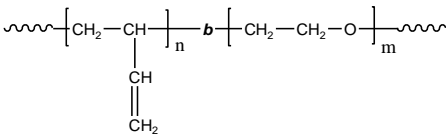


Sample Name: Poly(butadiene-b-ethylene oxide)

Sample #: P41332B-BdEO

Structure:



Composition:

Mn x 10 ³ Bd-b-EO	Mw/Mn (PDI)	% 1,2 addition Butadiene
2.2-b-0.9	1.09	59%
Dp of each block:		41-b-23

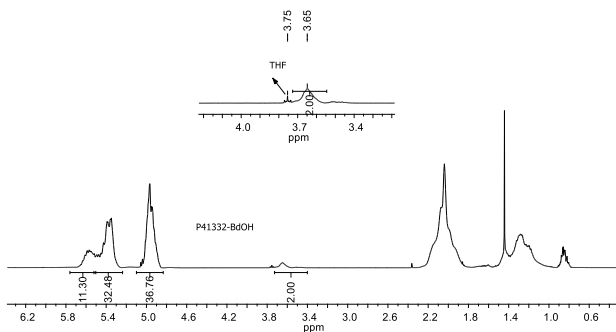
Synthesis:

The polymer was synthesized by anionic polymerization process.

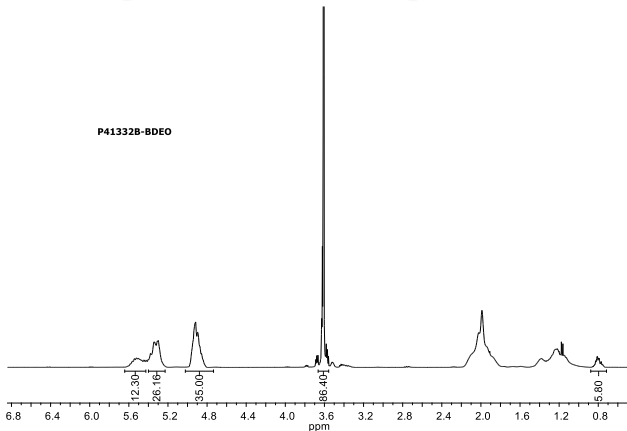
Characterization:

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

¹H NMR spectrum of BdOH Sample:



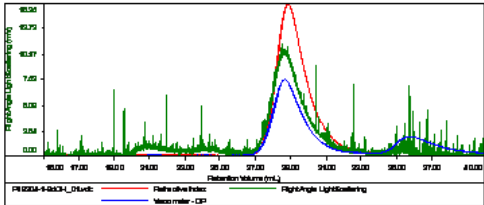
¹H NMR spectrum of BdEO Sample:



SEC elugram of BdOH Sample:

P41332-BdOH

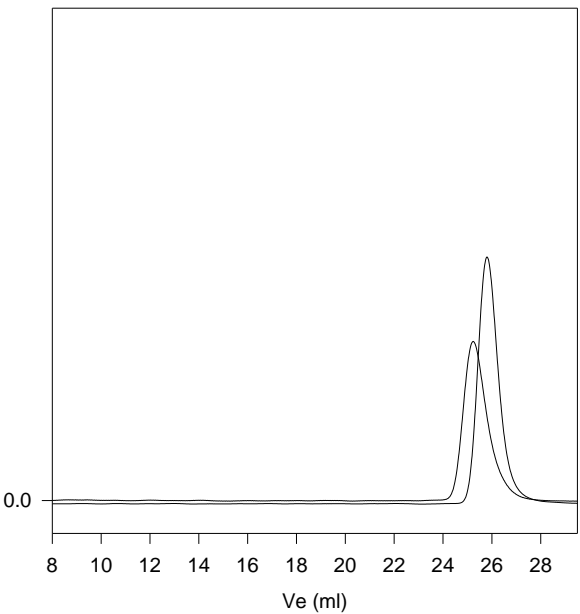
Concentration (mg/mL)	19.3552
Sample weight (mg)	0.1270
Method File	P41332B-BdOH-2011-5-0000.uvm
Column Set	St PL 1113-6000
Solvent	THF



Sample	MW/Mn Average [1.36]	MW/Mn Light Average [1.36]	MW/Mn Peak [1.36]	Polydispersity [0.80]	Intrinsic Viscosity [0.80]
BdOH-01.uvm	2.152	2.190	2.174	1.017	0.1552

SEC elugram of BdEO Sample:

P41332B-BdEO



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

— OH terminated 1,2 polybutadiene M_n=2,200, PI=1.09