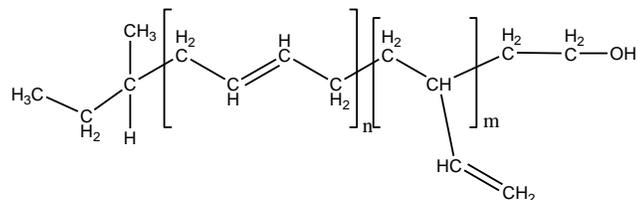


Sample Name: Hydroxy Terminated Polybutadiene, 1,2/1,4-microstructure

Sample #: P19305-BdOH

Structure:



Composition:

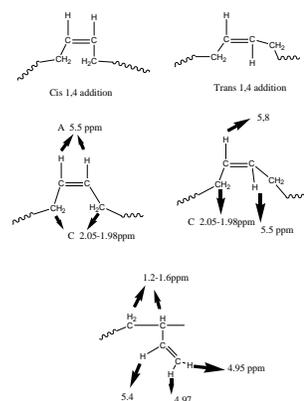
Mn x 10 ³	2.5
PDI	1.03
1,2-microstructure	40%
1,4-microstructure	60%

Synthesis Procedure:

OH-terminated polybutadiene was prepared by anionic living polymerization of butadiene in non-polar solvent followed by termination with ethylene oxide.

Characterization:

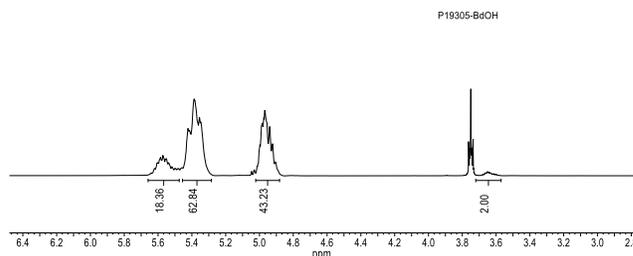
The product was characterized by size exclusion chromatography (SEC) and ¹HNMR.



Solubility:

Polymer is soluble in DMF, THF, toluene, hexane, cyclohexane and CHCl₃.

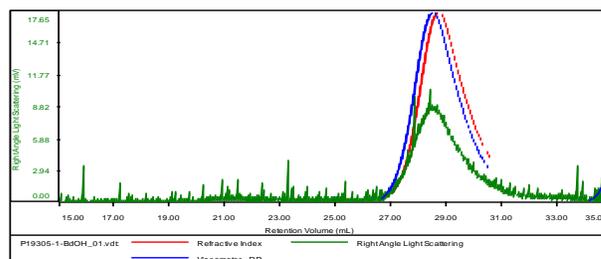
¹HNMR spectrum of the Sample:



SEC elugram of the Sample:

Sample ID:P19305-1-BdOH

Concentration (mg/mL)	17.2357
Sample dn/dc (mL/g)	0.1200
Method File	PS80K-May20-2015-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P19305-1-BdOH_01.vdt	2,391	2,480	2,412	1.037	0.1437