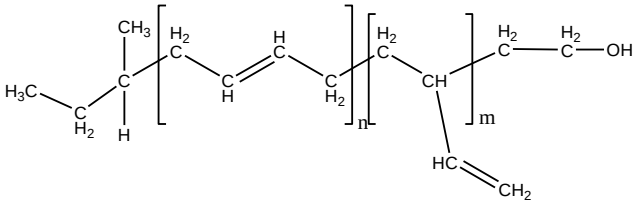
Sample Name: **Hydroxy Terminated Polybutadiene, 1,2/1,4-microstructure**

Sample #: **P19303A-BdOH**

Structure:



Composition:

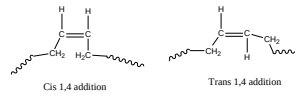
Mn x 10^3	2.2
PDI	1.03
1,2-microstructure	50%
1,4-microstructure	50%

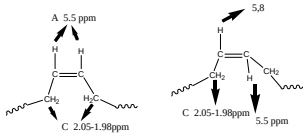
Synthesis Procedure: By anionic process

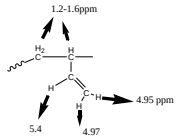
OH-termiated polybutadiene was prepared by anionic living polymerization of butadiene in non-polar solvent followed by termination with ethylene oxide.

Characterization:

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



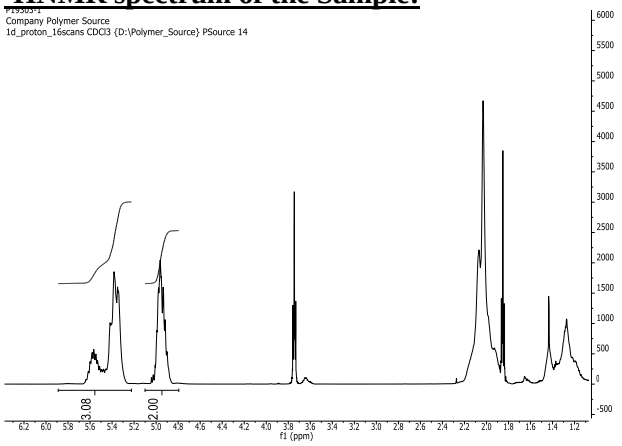




Solubility:

Polymer is soluble in DMF, THF, toluene, hexane, cyclohexane and $CHCl_3$.

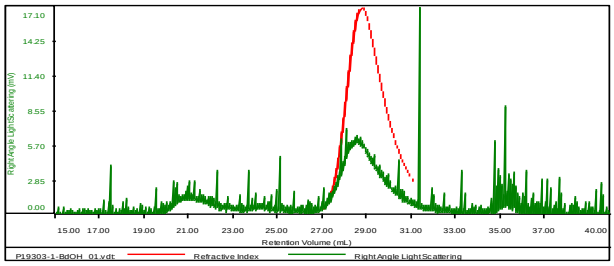
^{1}HNMR spectrum of the Sample:



SEC profile of the Sample:

Sample ID:P19303-1-BdOH

Concentration (mg/mL)	11.5120
Sample dn/dc (mL/g)	0.1270
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)	Polydispersi	Intrinsic Viscosity (dL/g)
P19303-1-BdOH_01.vdt	2,279	2,341	2,294	1.027	0.1512