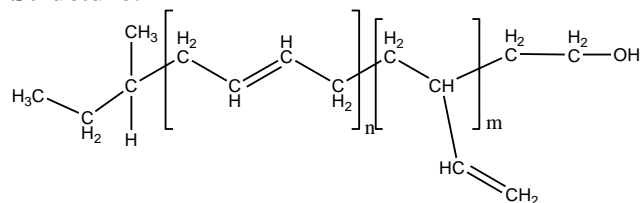


Sample Name: Hydroxy Terminated Polybutadiene, 1,4- rich microstructure

Sample #: P19909-BdOH

Structure:



Composition:

Mn x 10 ³	32.0
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PDI	1.08
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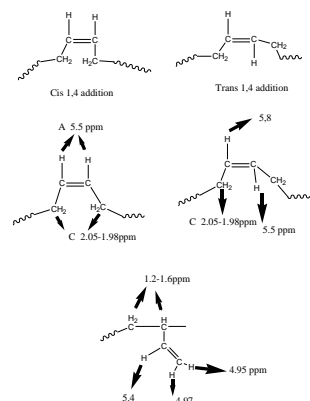
1,2-microstructure	15%
1,4-microstructure	85%

Synthesis Procedure:

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

Characterization:

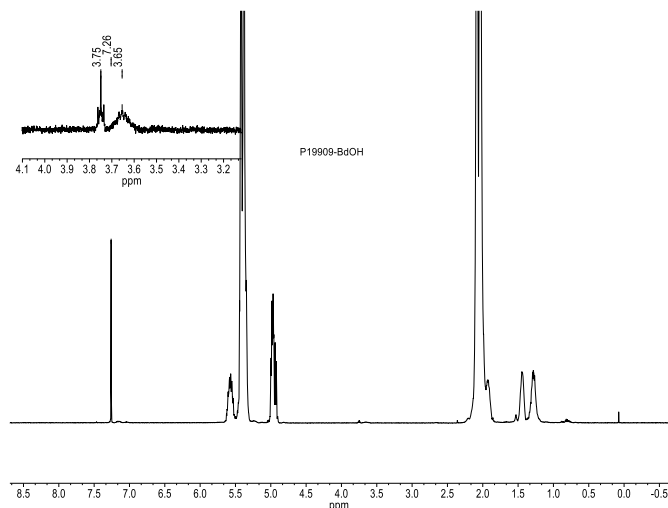
The product was characterized by size exclusion chromatography (SEC) and ¹HNMR.



Solubility:

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

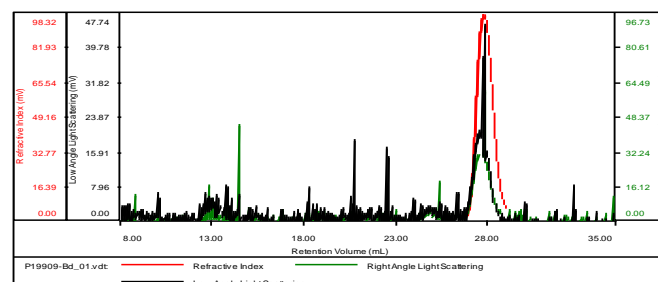
¹HNMR spectrum of the Sample:



SEC elugram of the Sample:

Sample ID:P19909-BdOH

Concentration (mg/mL)	13.3402
Sample dn/dc (mL/g)	0.1250
Method File	PS80K-May242016-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mn (Da)	Mw (Da)	Mw/Mn	IV (dL/g)	Mp (Da)
P19909-Bd_01.vdt	32,154	35,024	1.089	0.1805	32,754