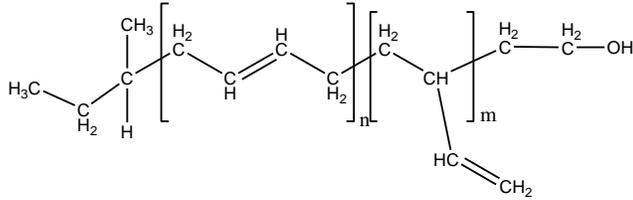


**Sample Name:** Hydroxy Terminated Polybutadiene,  
1,4- rich microstructure

**Sample #:** P19909-BdOH

**Structure:**



**Composition:**

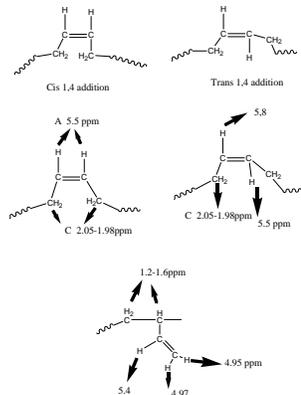
Mn x 10 <sup>3</sup>	32.0
PDI	1.08
1,2-microstructure	15%
1,4-microstructure	85%

**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:**

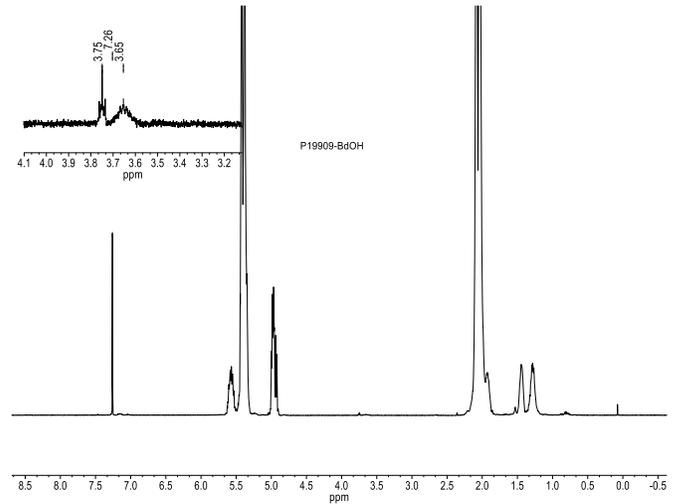
The product was characterized by size exclusion chromatography (SEC) and <sup>1</sup>HNMR.



**Solubility:**

Polymer is soluble in DMF, THF, toluene, hexane, cyclohexane and CHCl<sub>3</sub>.

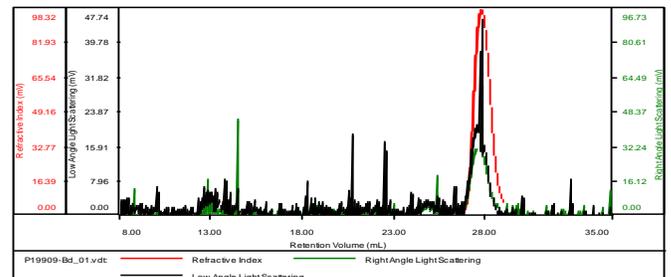
**<sup>1</sup>HNMR spectrum of the Sample:**



**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