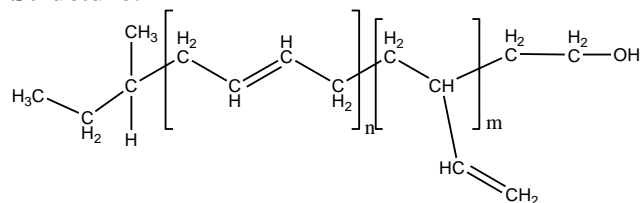


Sample Name: Hydroxy Terminated Polybutadiene, 1,2/1,4-microstructure

Sample #: P41332-BdOH

Structure:



Composition:

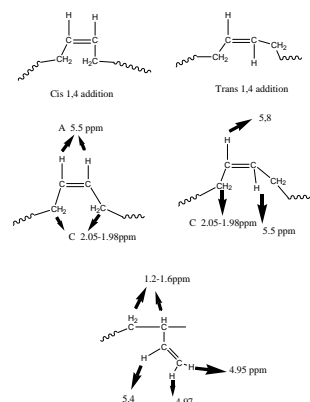
Mn x 10 ³	2.0
PDI	1.02
1,2-microstructure	59%
1,4-microstructure	41%

Synthesis Procedure:

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

Characterization:

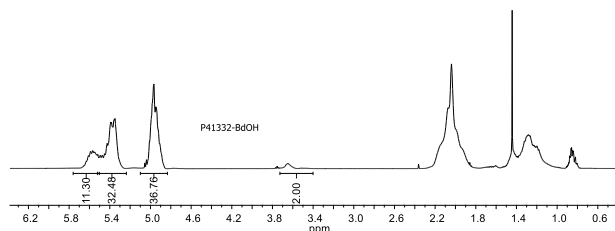
The product was characterized by size exclusion chromatography (SEC) and ¹HNMR.



Solubility:

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

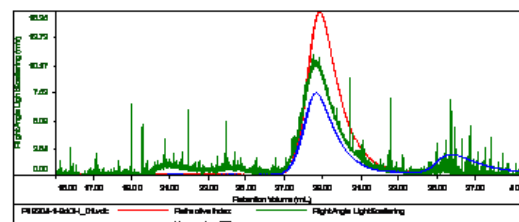
¹HNMR spectrum of the Sample:



SEC elugram of the Sample:

P41332-BdOH

Concentration (mg/mL)	19.3552
Detector Wavelength (nm)	0.1270
Method File	P080K-MW-2015-0000.snm
Column Set	3x PL 1113-H300
Solvent	THF



Sample	MW/NMR Average [Da]	MW/SEC Average [Da]	MW at Peak [Da]	Polydispersity	Intrinsic Viscosity [dL/g]
BdOH-01.vet	2,152	2,190	2,174	1.017	0.1592