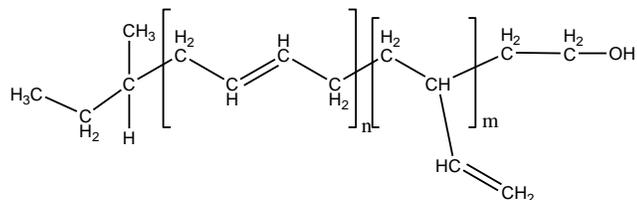


Sample Name: Hydroxy Terminated Polybutadiene, 1,2/1,4-microstructure

Sample #: P41325-BdOH

Structure:



Composition:

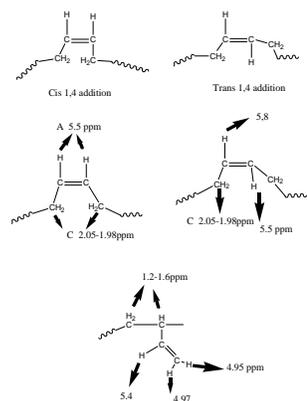
Mn x 10 ³	8.0
PDI	1.06
1,2-microstructure	59%
1,4-microstructure	41%

Synthesis Procedure:

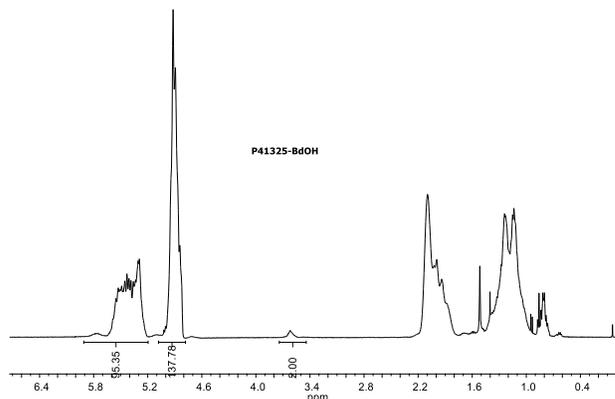
OH-terminated polybutadiene was prepared by anionic living polymerization of butadiene in non-polar solvent followed by termination with ethylene oxide.

Characterization:

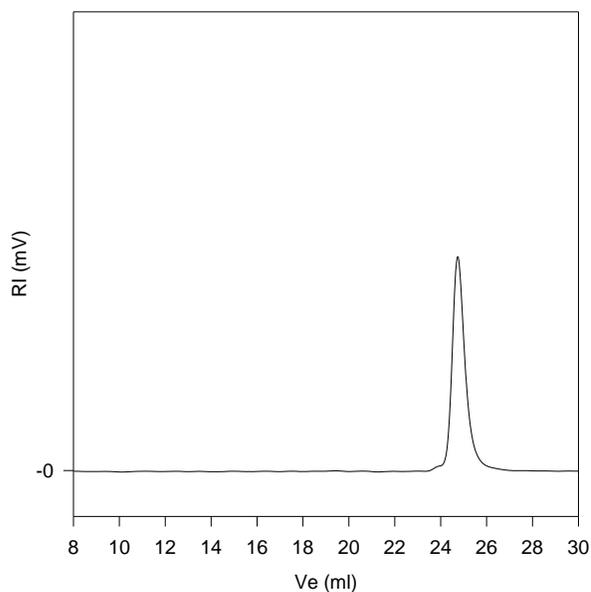
The product was characterized by size exclusion chromatography (SEC) and ¹HNMR.



¹HNMR spectrum of the Sample:



SEC elugram of the Sample:



Size Exclusion Chromatography of polymer:

— M_n = 8,000, M_w = 8,500, M_w/M_n = 1.06

Solubility:

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