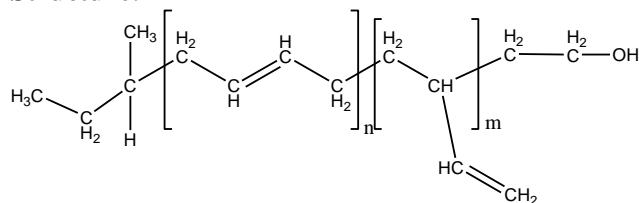


Sample Name: Hydroxy Terminated Polybutadiene,
1,2 addition microstructures

Sample #: P41690-BdOH

Structure:



Composition:

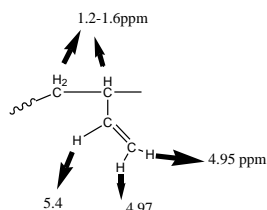
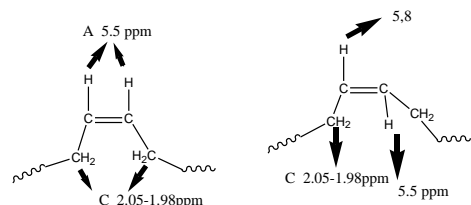
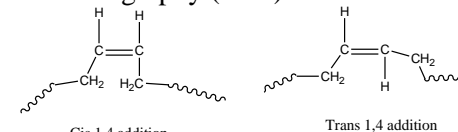
Mn x 10 ³	1.9
PDI	1.03
1,2-microstructure	88%
1,4-microstructure	12%

Synthesis Procedure:

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

Characterization:

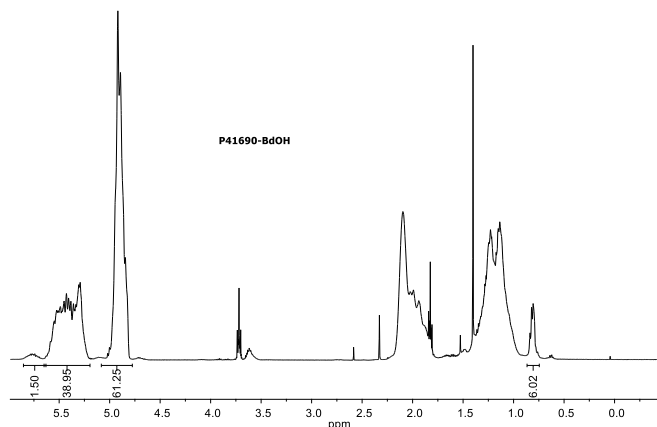
The product was characterized by size exclusion chromatography (SEC) and ¹HNMR.



Solubility:

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

¹HNMR spectrum of the Sample:



SEC elugram of the Sample:

Agilent GPC/SEC Software

