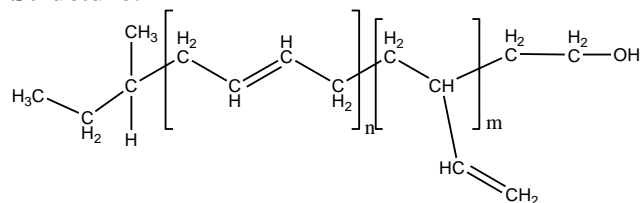


Sample Name: Hydroxy Terminated Polybutadiene, 1,2-microstructure

Sample #: P43878-BdOH

Structure:



Composition:

Mn x 10 ³	0.7
PDI	1.14

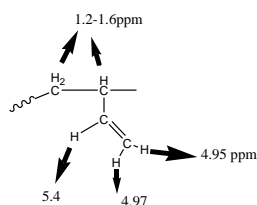
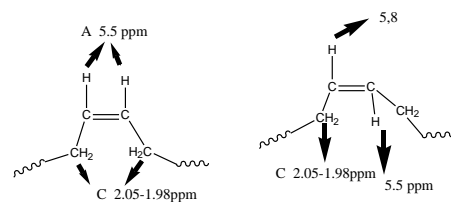
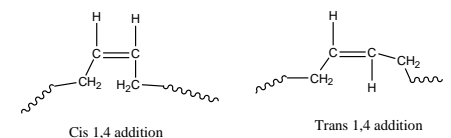
1,2-microstructure	80%
1,4-microstructure	20%

Synthesis Procedure:

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

Characterization:

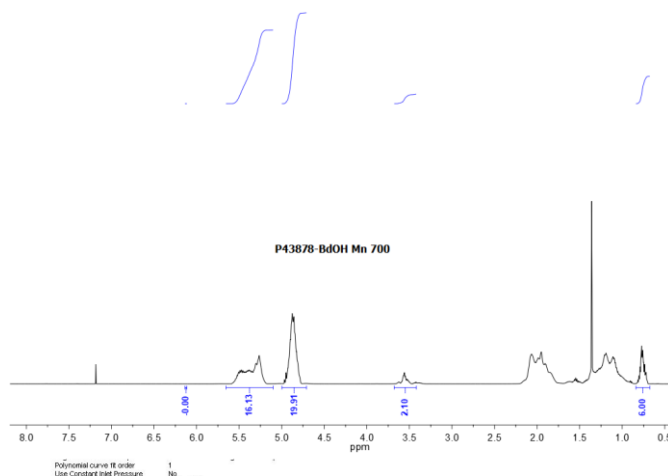
The product was characterized by size exclusion chromatography (SEC) and ¹HNMR.



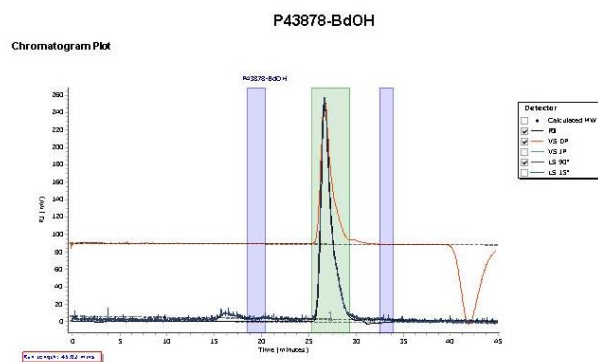
Solubility:

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

¹HNMR spectrum of the Sample:



SEC elugram of the Sample:



Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz-1 (g/mol)	Mw (g/mol)	PDI
Peak 1	923	709	809	890	957	861	1.14