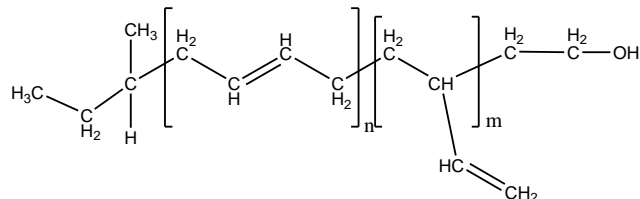


Sample Name: Hydroxy Terminated Polybutadiene, 1,2-microstructure

Sample #: P44520-BdOH

Structure:



Composition:

Mn x 10 ³	1.2
PDI	1.18

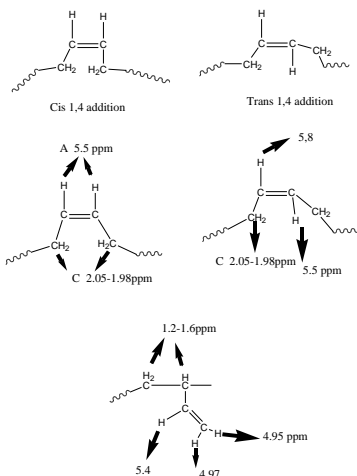
1,2-microstructure	80%
1,4-microstructure	20%

Synthesis Procedure:

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

Characterization:

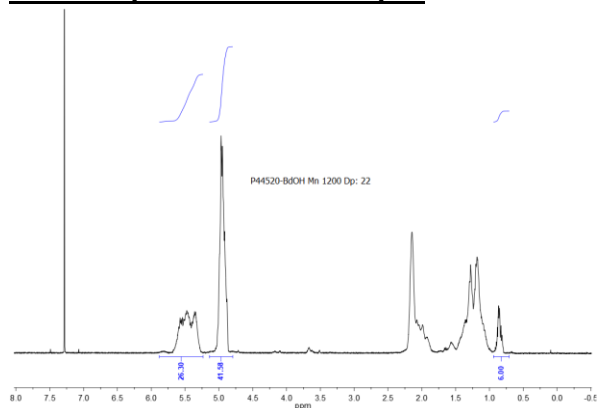
The product was characterized by size exclusion chromatography (SEC) and ¹HNMR.



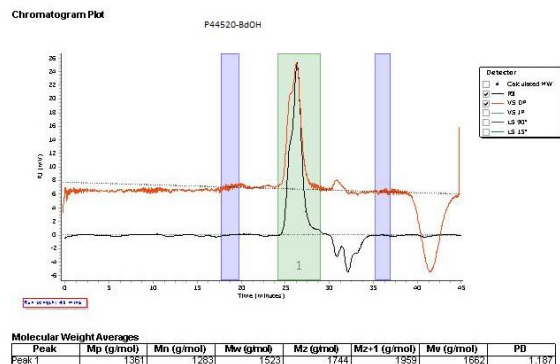
Solubility:

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)	PD
Peak 1	1361	1263	1523	1744	1959	1662	1.187