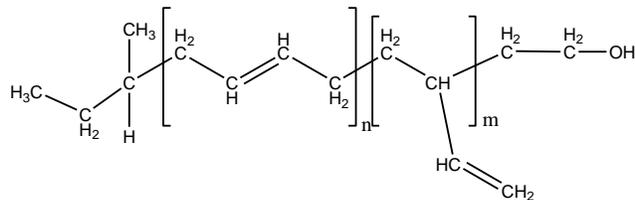


Sample Name: Hydroxy Terminated Polybutadiene, 1,2-microstructure

Sample #: P43899-BdOH

Structure:



Composition:

Mn x 10 ³	0.7
PDI	1.15

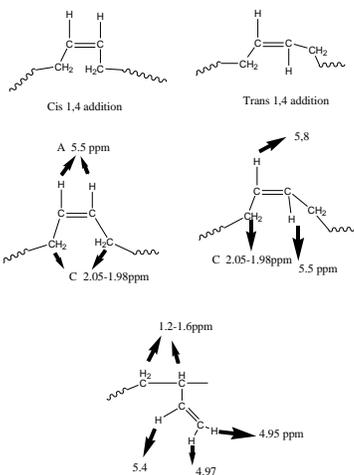
1,2-microstructure	80%
1,4-microstructure	20%

Synthesis Procedure:

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

Characterization:

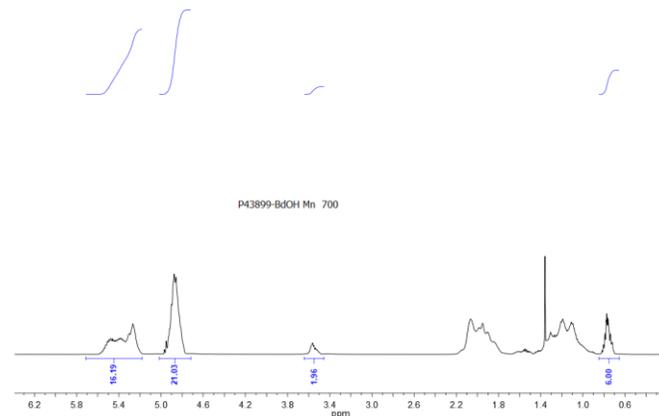
The product was characterized by size exclusion chromatography (SEC) and ¹HNMR.



Solubility:

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

¹HNMR spectrum of the Sample:



SEC elugram of the Sample:

Workspace Details
 Workspace name
 Location
 Comments
 Created by

Calibration 2021-10-27
 D:\GPC\Workspaces\Calibration 2021-10-27\
 aglent2 at 4:40:59 PM on October 27, 2021

Chromatogram Plot

