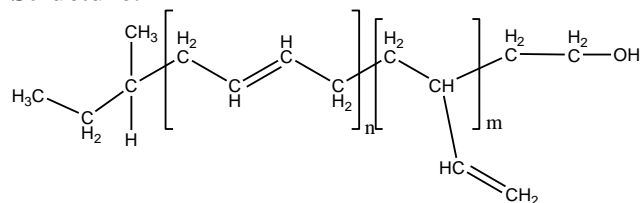


**Sample Name:** Hydroxy Terminated Polybutadiene,  
1,2-microstructure

**Sample #:** P43869A-BdOH

**Structure:**



**Composition:**

Mn x 10 <sup>3</sup>	0.9
PDI	1.15

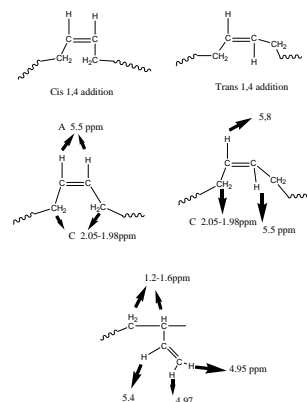
1,2-microstructure	80%
1,4-microstructure	20%

**Synthesis Procedure:**

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

**Characterization:**

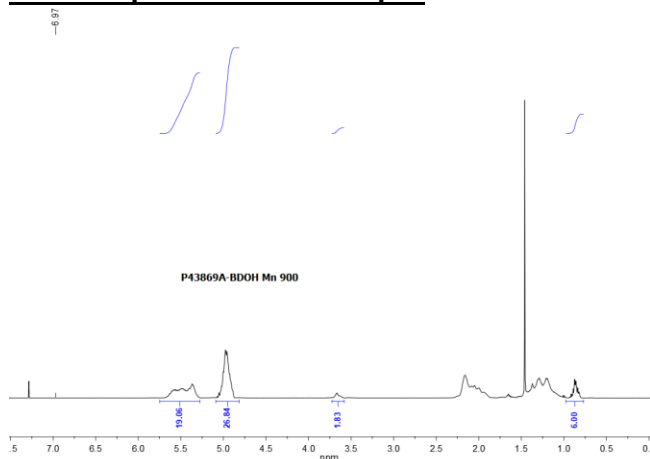
The product was characterized by size exclusion chromatography (SEC) and <sup>1</sup>HNMR.



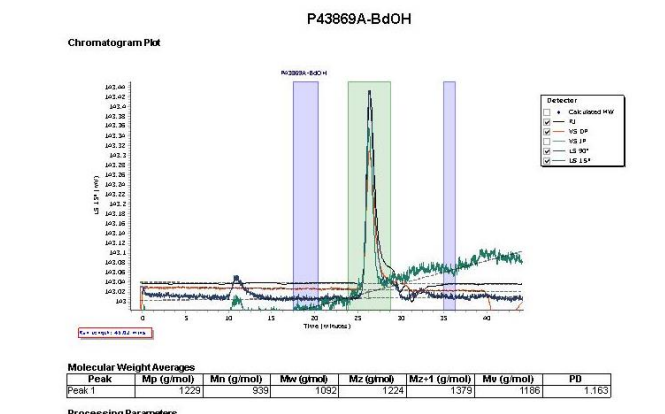
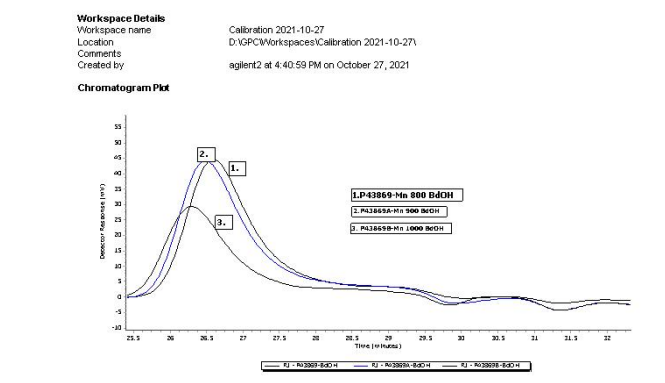
**Solubility:**

Polymer is soluble in DMF, THF, toluene, hexane, cyclohexane and CHCl<sub>3</sub>.

**<sup>1</sup>HNMR spectrum of the Sample:**



**SEC elugram of the Sample:**



Molecular Weight Averages

Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PDI
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Peak 1	1228	839	1092	1224	1379	1186	1.163
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Processing Parameters