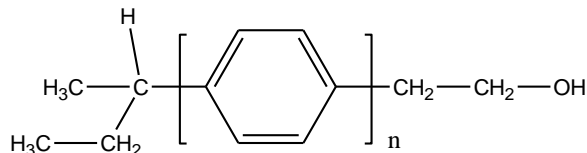


Sample Name:  
**Hydroxy terminated Poly(1-4 phenylene)**

Sample #: **P9473-PP-OH**

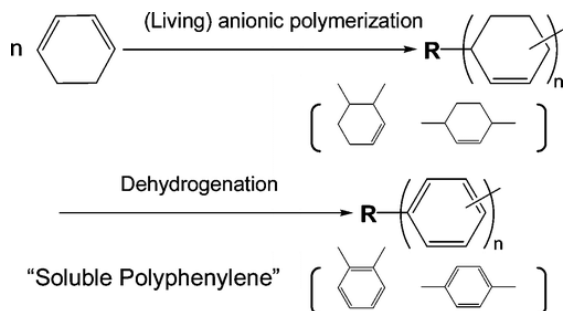
**Structure:**



**Composition:**

Mn x 10 <sup>3</sup>	PDI
1.5	1.3

**Synthesis Procedure:** Poly cyclohexadiene rich in 1,4 addition obtained by anionic polymerization in cyclohexane termination by ethylene oxide



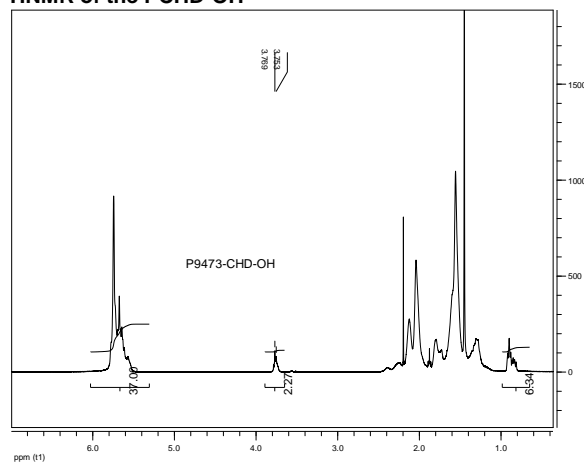
**Characterization:**

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography. Polymer characterized by HNMR

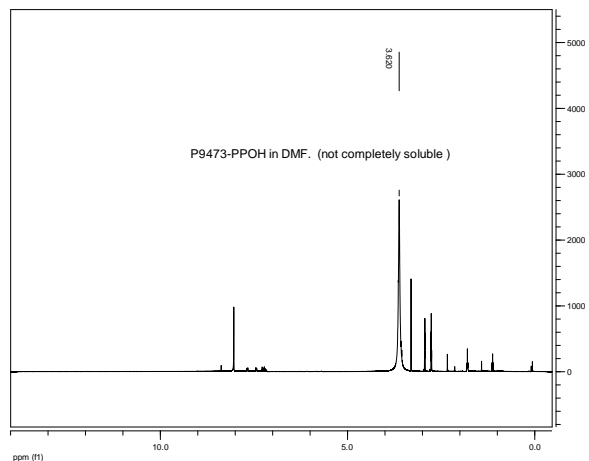
**Solubility:**

Polymer is partially soluble in THF obtained a solution that is not clear but light brown color.

**HNMR of the PCHD-OH**

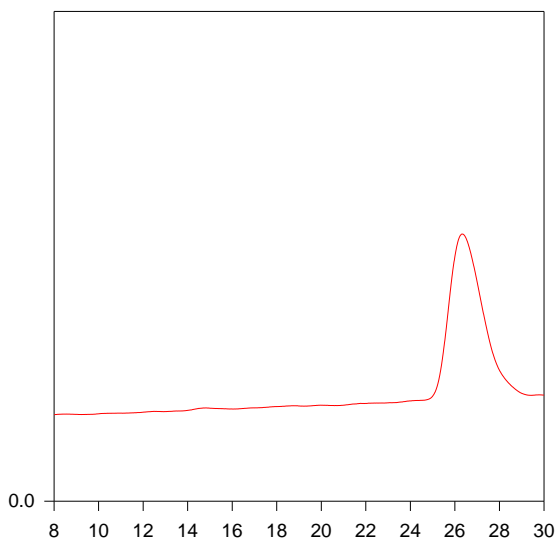


**HNMR of the product after saturation of double bond:**



**SEC of Homopolymer:**

**P9473- CHD-OH**



Size Exclusion Chromatography profile of the product:  
 OH terminated Poly cyclohexadiene rich in 1,4 addition

M<sub>n</sub> = 1500, M<sub>w</sub> = 1950, PI = 1.3