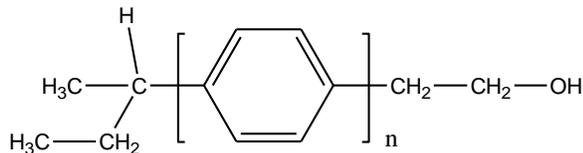


Sample Name:
Hydroxy terminated Poly(1-4 phenylene)

Sample #: P9473-PP-OH

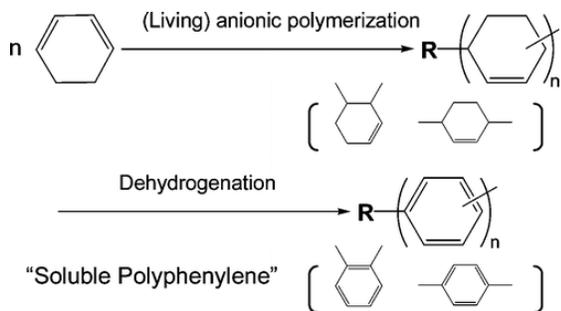
Structure:



Composition:

Mn x 10 ³	PDI
1.5	1.3

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



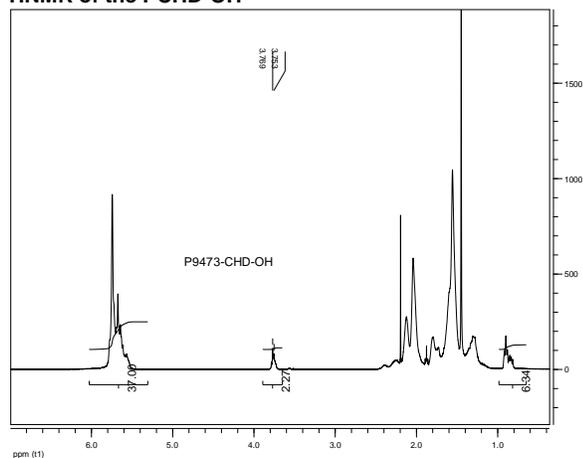
Characterization:

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

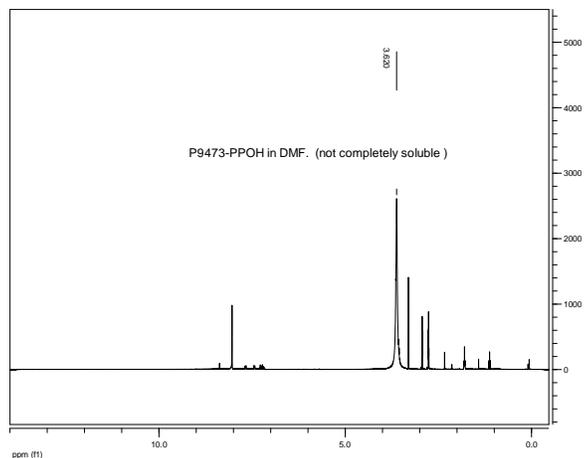
Solubility:

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

HNMR of the PCHD-OH

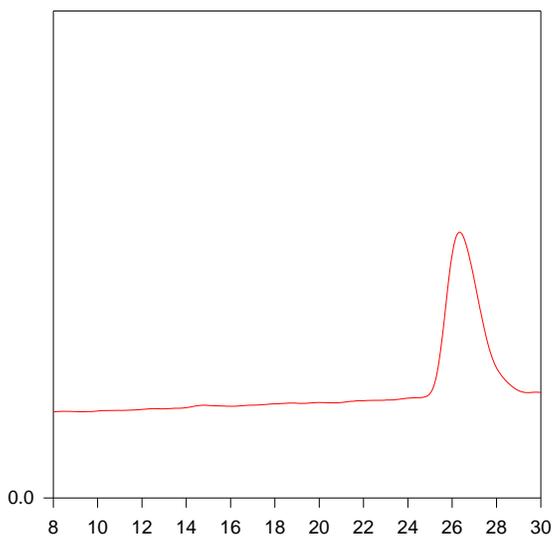


HNMR of the product after saturation of double bond:



SEC of Homopolymer:

P9473- CHD-OH



Size Exclusion Chromatography profile of the product:
 OH terminated Poly cyclohexadiene rich in 1,4 addition
 $M_n = 1500$, $M_w = 1950$, $PI = 1.3$