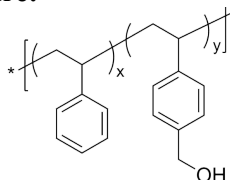


Sample Name:

**Poly(styrene-co-4-hydroxymethyl styrene),
random**

Sample #: P60626B-S4OHMeSran

Structure:



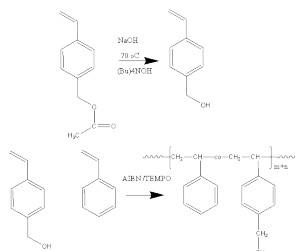
Composition:

Mn x 10 ³	Mw/Mn (Total)
39.0	1.4

Of Branches of benzyl alcohol: 128

Synthesis Procedure:

The following reaction scheme shows how the 4 Vinyl Phenyl methanol Monomer was synthesized:



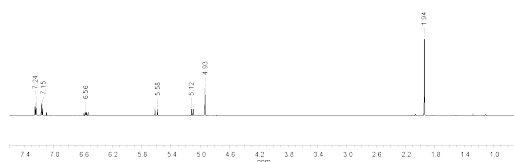
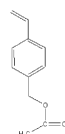
Characterization:

The product was characterized by size exclusion chromatography (SEC) and ¹H NMR data analysis.

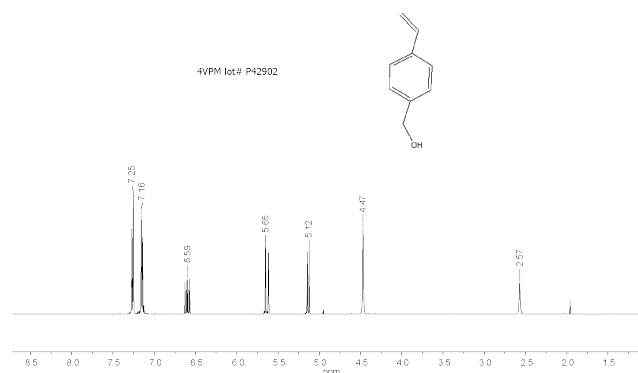
Solubility:

The polymer is soluble in THF, and DMF.

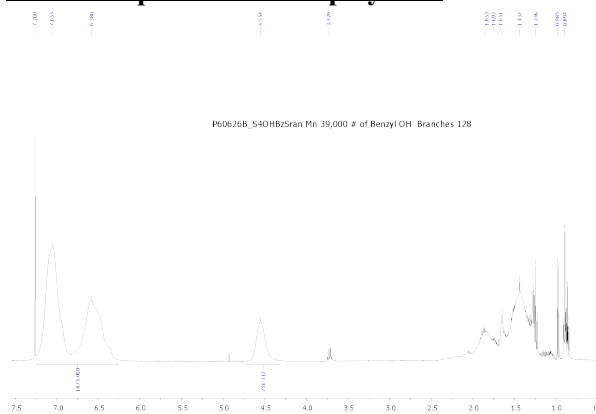
¹H NMR spectrum of 4-vinyl Benzyl acetate:



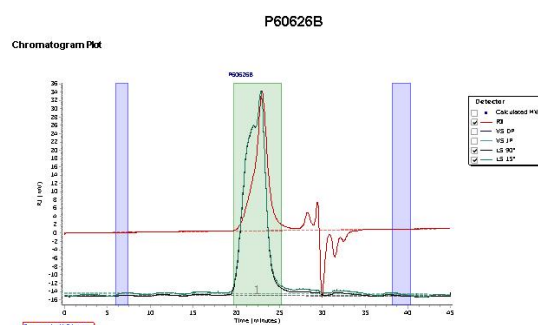
¹H-NMR spectrum of 4-Vinyl Phenyl methanol:



¹H-NMR spectrum of the polymer:



SEC elugram of Polymer:



Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mz (g/mol)	PD
Peak 1	40778	38695	54991	81470	118756	76105	1.421