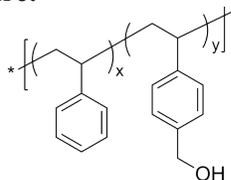


**Sample Name:**

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

**Sample #: P60626C-S4OHMeSran**

**Structure:**



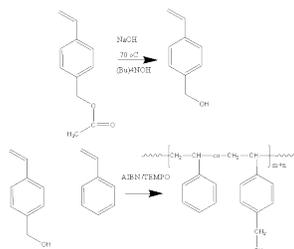
**Composition:**

$M_n \times 10^3$	Mw/Mn (Total)
78.5	2.0

# Of Branches of benzyl alcohol: 296

**Synthesis Procedure:**

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



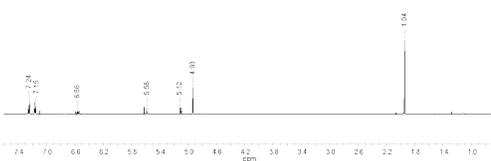
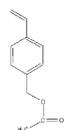
**Characterization:**

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

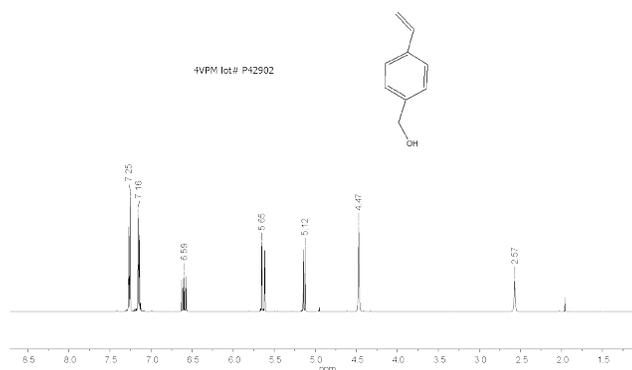
**Solubility:**

The polymer is soluble in THF, and DMF.

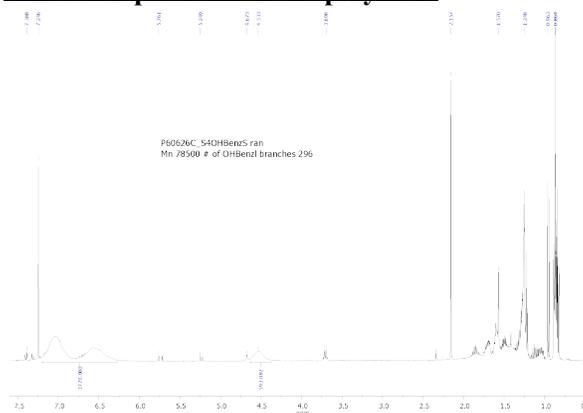
**<sup>1</sup>H NMR spectrum of 4-vinyl Benzyl acetate:**



**<sup>1</sup>H-NMR spectrum of 4-Vinyl Phenyl methanol**



**<sup>1</sup>H-NMR spectrum of the polymer:**



**SEC elugram of Polymer:**

