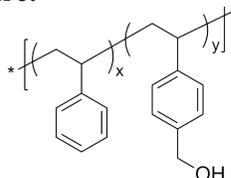


Sample Name:

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

Sample #: P60626A-S4OHMeSran

Structure:



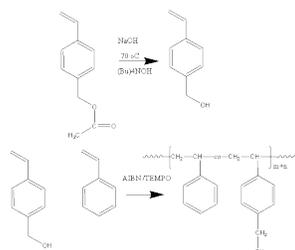
Composition:

Mn x 10 ³	Mw/Mn (Total)
20.0	1.25

Of Branches of benzyl alcohol: 28

Synthesis Procedure:

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



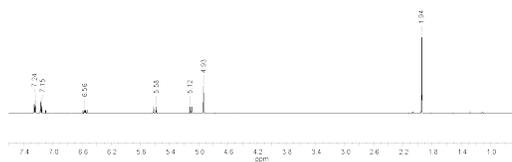
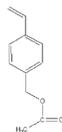
Characterization:

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

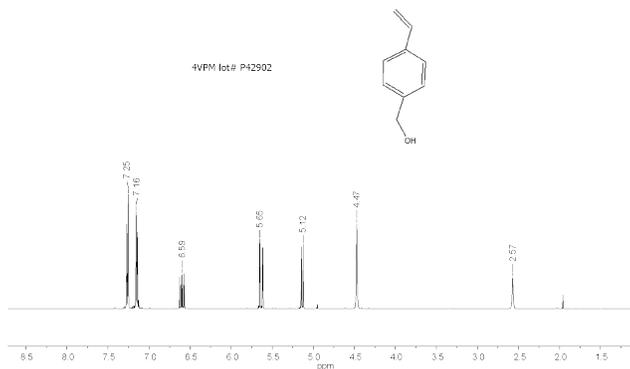
Solubility:

The polymer is soluble in THF, and DMF.

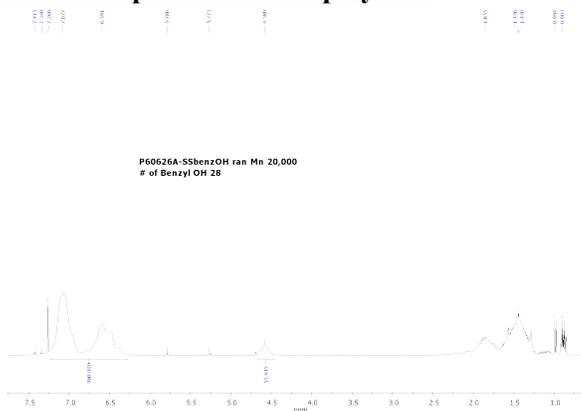
¹H NMR spectrum of 4-vinyl Benzyl acetate:



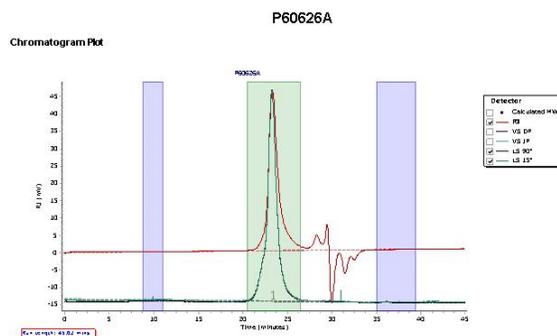
¹H-NMR spectrum of 4-Vinyl Phenyl methanol:



¹H-NMR spectrum of the polymer:



SEC elugram of the Polymer:



Molecular Weight Averages							
Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	28543	20380	25120	28514	34953	29332	1.234