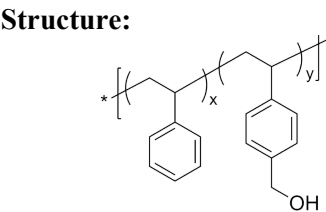


Sample Name:
Poly(styrene-co-4-hydroxymethyl styrene),
random

Sample #: P60626A-S4OHMeSran

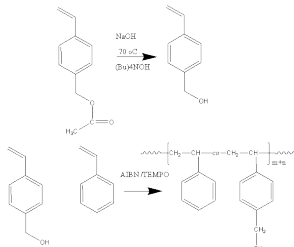


Composition:

Mn x 10 ³	Mw/Mn (Total)
20.0	1.25

Of Branches of benzyl alcohol: 28

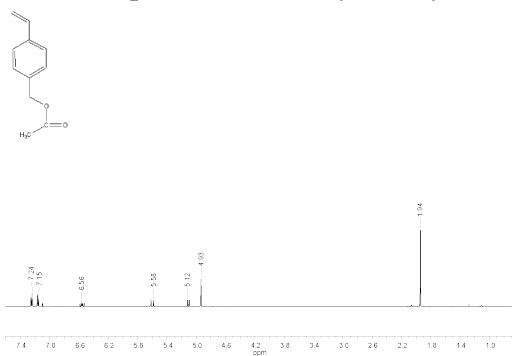
Synthesis Procedure:
 The following reaction scheme shows how the 4 Vinyl Phenyl methanol Monomer was synthesized:



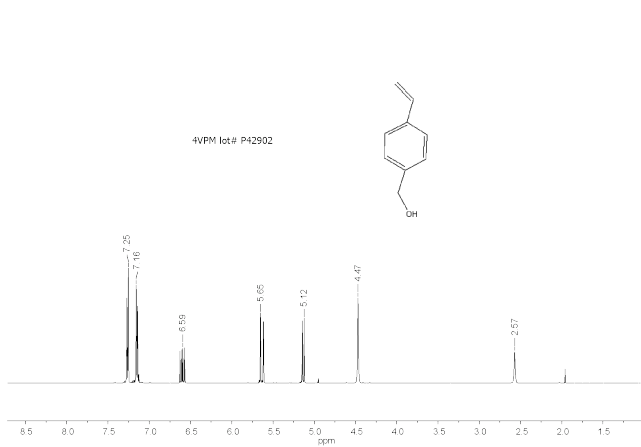
Characterization:
 The product was characterized by size exclusion chromatography (SEC) and ¹H NMR data analysis.

Solubility:
 The polymer is soluble in THF, and DMF.

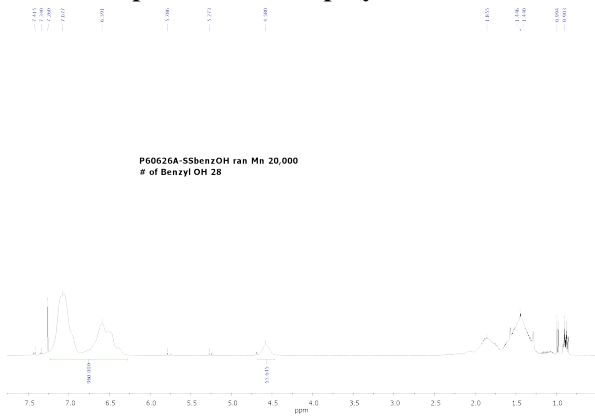
¹H NMR spectrum of 4-vinyl Benzyl acetate:



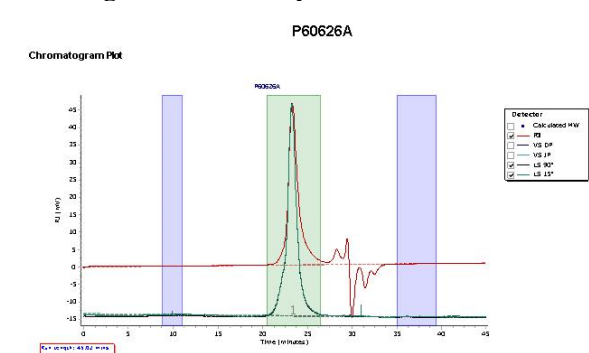
¹H-NMR spectrum of 4-Vinyl Phenyl methanol:



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	26543	20360	25120	29614	34959	29332	1.234