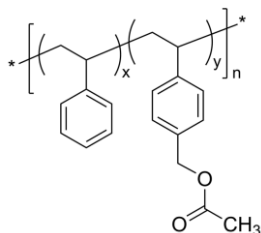


Sample Name:

**Poly(styrene-co-4-vinylbenzyl acetate),  
random**

Sample #: **P60648B-S4VBACran**

**Structure:**



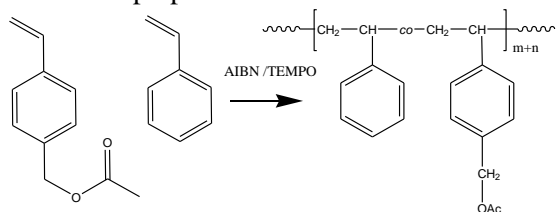
**Composition:**

Mn x 10 <sup>3</sup>	Mw/Mn (Total)
15.0	1.14

# Of Branches of benzyl acetate: 19

**Synthesis Procedure:**

The following reaction scheme shows how the product was prepared:



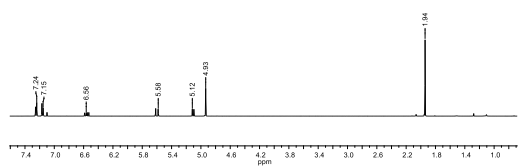
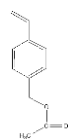
**Characterization:**

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

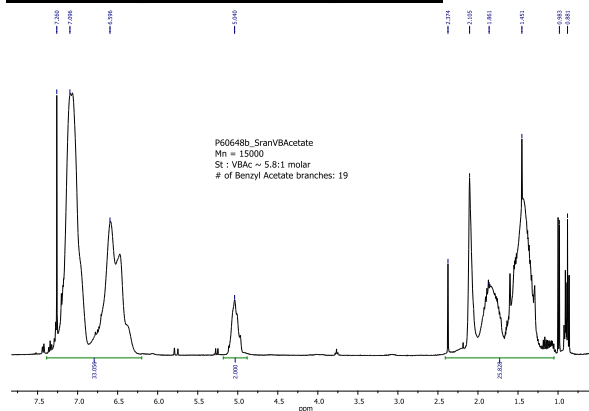
**Solubility:**

The polymer is soluble in THF, and DMF.

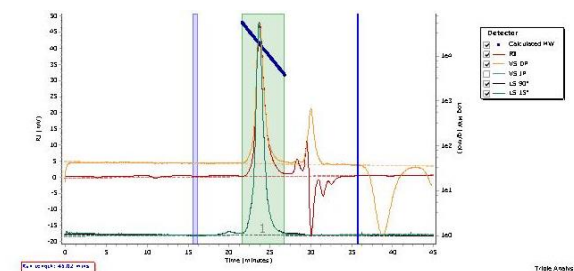
**<sup>1</sup>H NMR spectrum of 4-vinyl Benzyl acetate:**



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



**SEC elugram of the Polymer:**



Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mz (g/mol)	PD
Peak 1	18471	15055	17225	19092	20898	18708	1.144