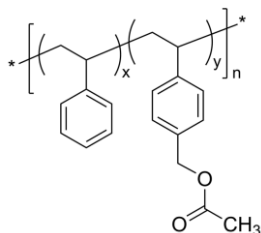


Sample Name:

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

Sample #: **P60648A-S4VBACran**

**Structure:**



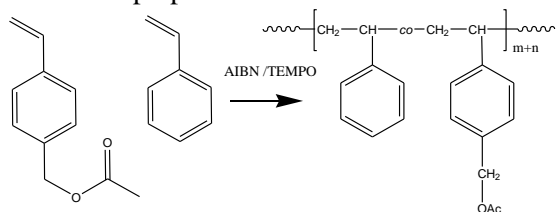
**Composition:**

Mn x 10 <sup>3</sup>	Mw/Mn (Total)
16.8	1.12

# Of Branches of benzyl acetate: 21

**Synthesis Procedure:**

The following reaction scheme shows how the product was prepared:



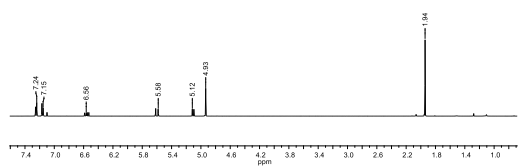
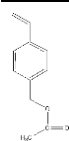
**Characterization:**

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

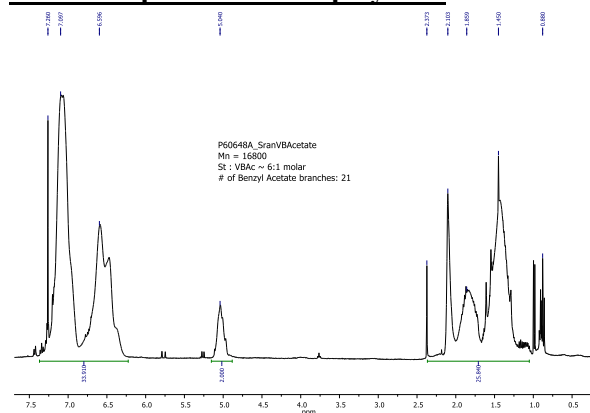
**Solubility:**

The polymer is soluble in THF, and DMF.

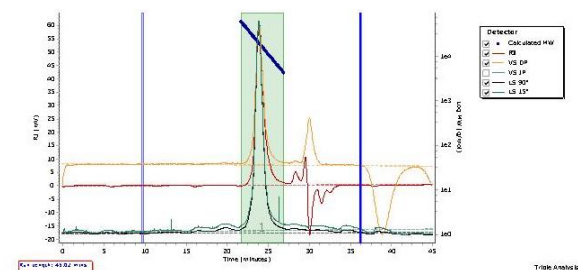
**<sup>1</sup>H NMR spectrum of 4-vinyl Benzyl acetate:**



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



**SEC elugram of the Polymer:**



Molecular Weight Averages

Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mr (g/mol)	PD
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Peak 1	19758	16771	18737	20369	21876	20032	1.117
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