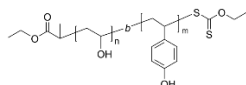


**Sample Name:**  
**Poly(vinyl alcohol)-b-poly(4-hydroxystyrene)**

**Sample #:** P42372A-VA4OHS

**Structure:**



**Composition:**

$M_n \times 10^3$ VA-b-4 HOS	PDI
3.5-b-92.0	1.6

**Synthesis Procedure:**

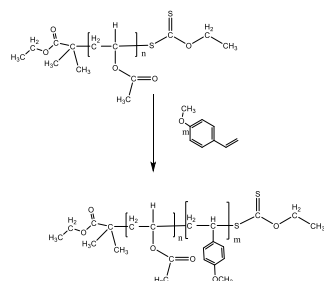
The polymer was synthesized by RAFT polymerization process.

**Characterization:**

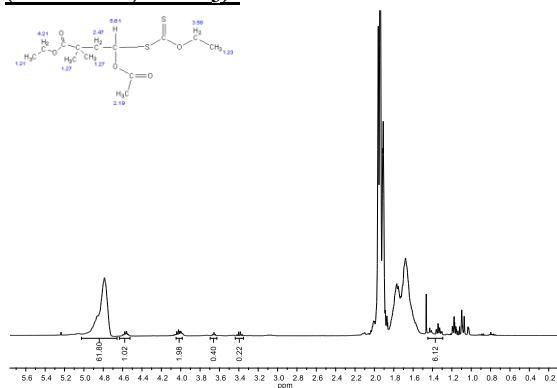
The product was characterized by size exclusion chromatography (SEC), <sup>1</sup>H NMR FTIR analysis.

**Solubility:**

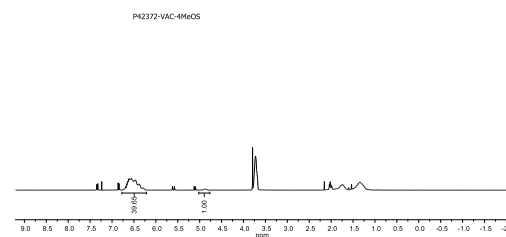
The polymer is soluble in Methanol, THF, Acetone and DMSO. It is not soluble in Water.



**<sup>1</sup>H NMR spectrum of PVAC-RAFT macroinitiator (500 MHz, CdCl<sub>3</sub>):**

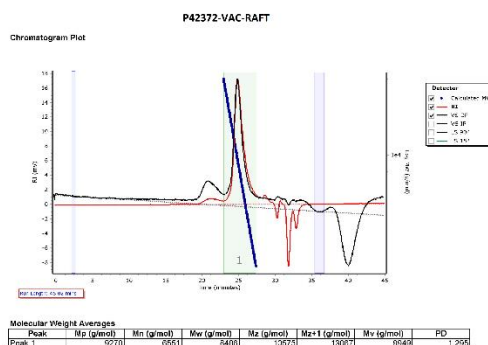


**<sup>1</sup>H NMR spectrum of the Sample:**



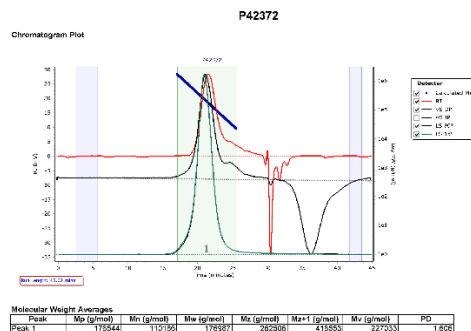
**SEC elugram of PVAC-RAFT macroinitiator:**

Agilent GPC/SEC Software



**SEC elugram of the Sample:**

Agilent GPC/SEC Software



**FTIR spectrum of the Sample:**

