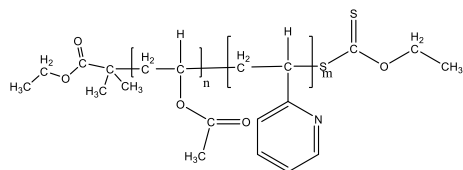


Sample Name:
Poly(vinyl acetate)-b-poly(2-vinyl pyridine)

Sample #: P42342B-VAc2VP

Structure:

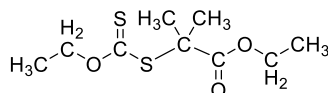


Composition:

$M_n \times 10^3$ VAc-b-2VP	PDI
1.5-b-21.0	1.5

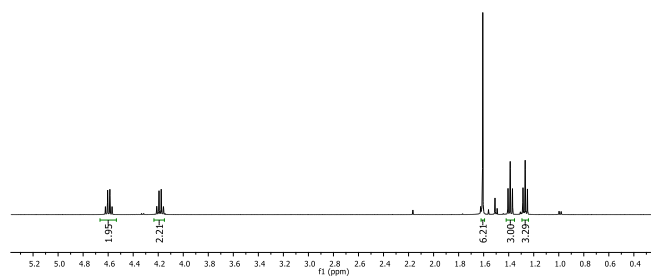
Synthesis Procedure:

The product was obtained by successive RAFT polymerization of vinyl acetate and styrene using AIBN as a radical initiator and the following chain transfer agent:



Chemical Formula: $C_9H_{16}O_3S_2$
 Exact Mass: 236.05

1H NMR of RAFT (400 MHz, $CDCl_3$):



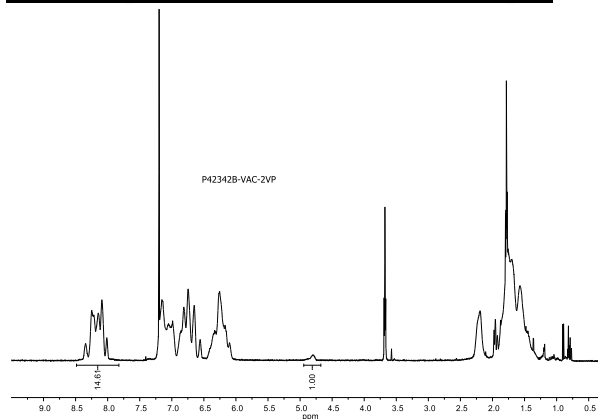
Characterization:

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

Solubility:

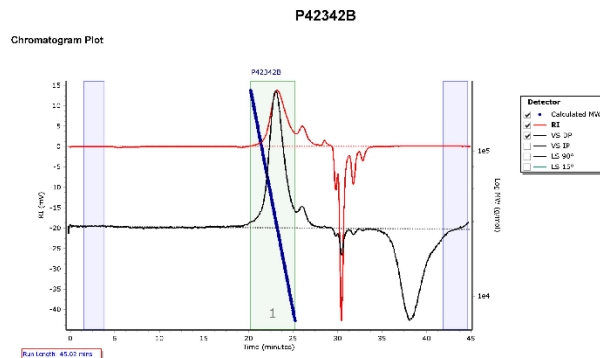
The polymer is soluble in THF, Acetone, $CHCl_3$ and precipitates from MeOH and Hexane.

1H NMR spectrum of PVAc-b-2VP Sample:



SEC elugram of VAc-b-2VP Sample:

Agilent GPC/SEC Software



Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	29630	21845	52971	52916	87376	45676	1.509