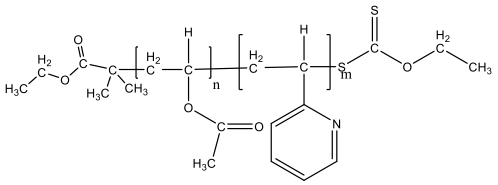
Sample Name:
Poly(vinyl acetate)-b-poly(2-vinyl pyridine)

Sample #: **P42342A-VAc2VP**

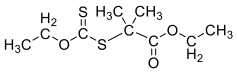
Structure:



Composition:

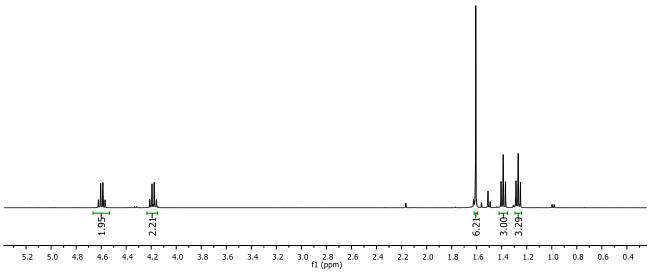
$M_n \times 10^3$ VAC–b–2VP	PDI
1.5-b-19.0	1.5

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

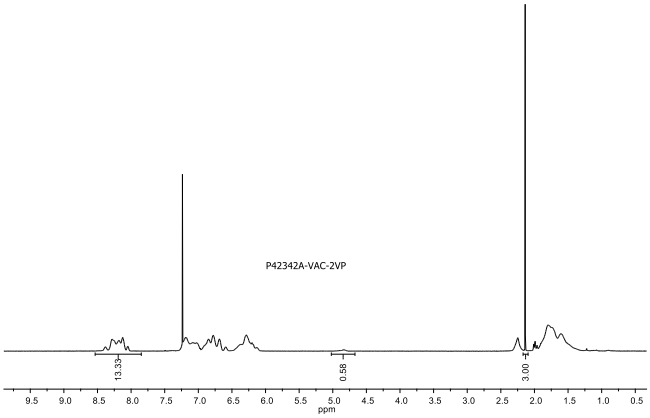
^{1}H NMR of RAFT (400 MHz, $CDCl_3$):



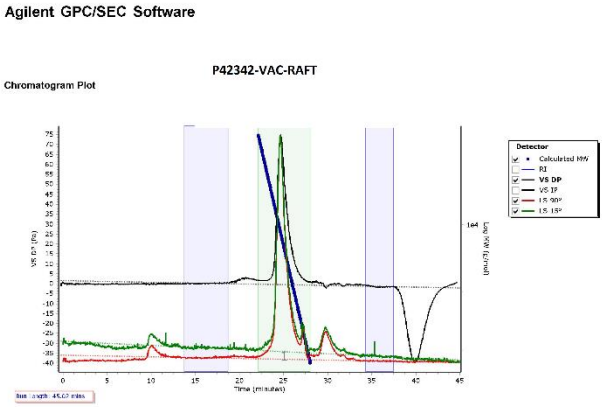
Characterization:
The product was characterized by size exclusion chromatography (SEC) and ^{1}H NMR.

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

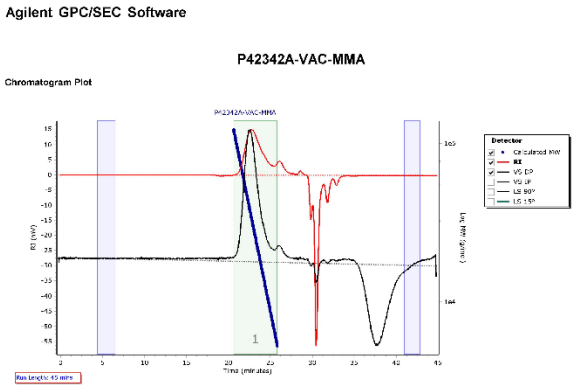
H NMR spectrum of PVAc–b–2VP Sample:



SEC elugram of VAC-RAFT macroinitiator:



SEC elugram of VAC-b-2VP Sample:



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	33986	20345	30086	39560	47923	37984	1.479