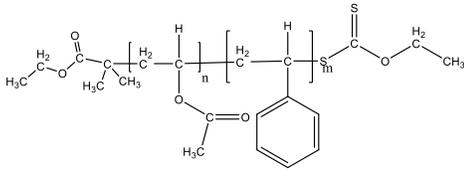


Sample Name: Poly (vinyl acetate–b–styrene)

Sample # : P18946A-VAcS

Structure :



Composition :

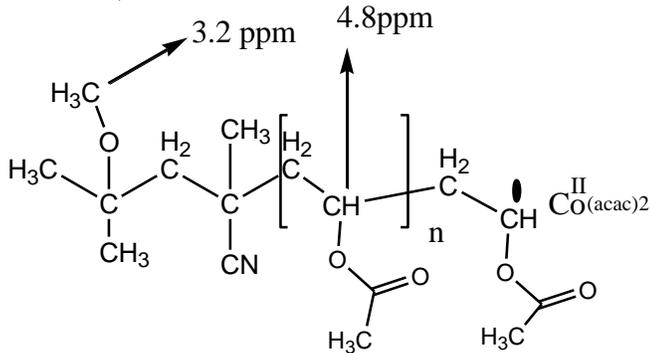
$M_n \times 10^3$ VAc–b–S	PDI
12.0-b-2.0	1.6

Synthesis Procedure:

The product was obtained by cobalt-mediated Radical polymerization.

Characterization:

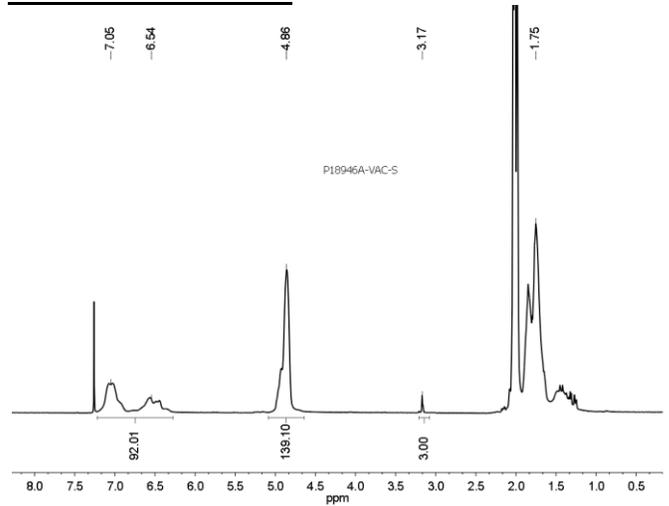
Poly(vinyl acetate) was characterized by size–exclusion chromatography (SEC) to estimate M_n (PS standards) and polydispersity (PDI). NMR was used to confirm the structure. M_n of PVAc–b–PS was estimated from NMR using NMR M_n of PVAc as a reference, and PDI was estimated from SEC.



Solubility:

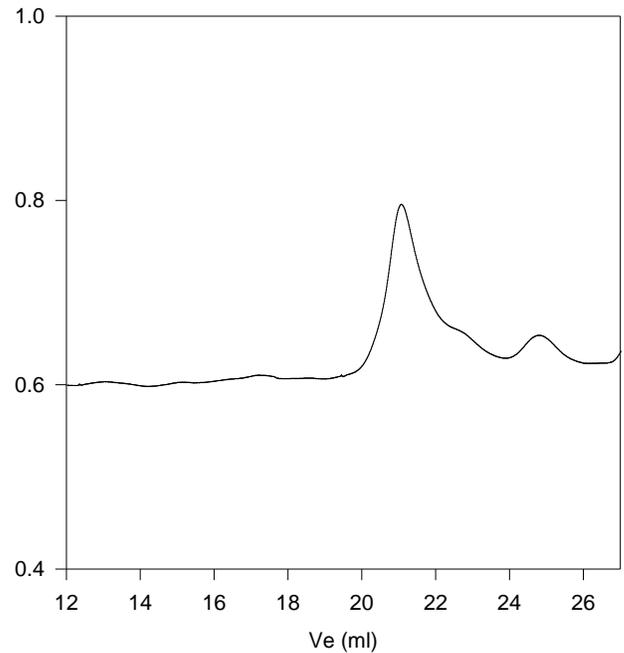
The polymer is soluble in THF, Acetone, CHCl_3 and precipitates from MeOH and Hexane.

HNMR of PVAc–b–PS



SEC of the block copolymer:

P18946A -VAC-S



Size exclusion chromatography result:

— VAC-b-S $M_n = 12,000$ -b- $2,000$ PI=1.6