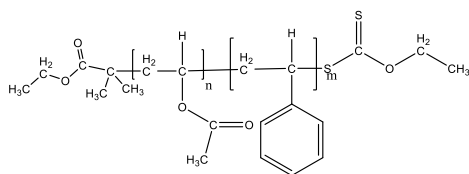


Sample Name: Poly(vinyl acetate-b-styrene)

Sample # : P18946C-VAcS

Structure :



Composition :

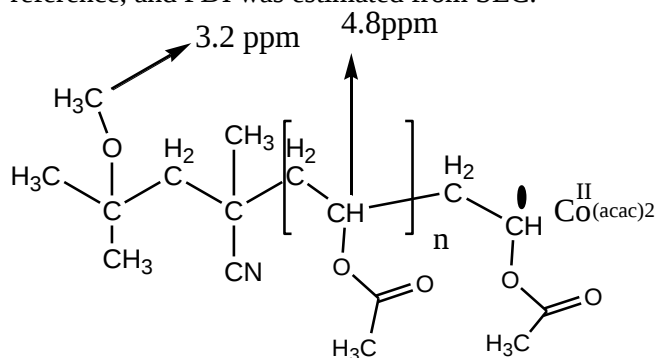
$M_n \times 10^3$ VAc-b-S	PDI
6.0-b-35.0	1.8

Synthesis Procedure:

The product was obtained by cobalt-mediated Radical polymerization.

Characterization:

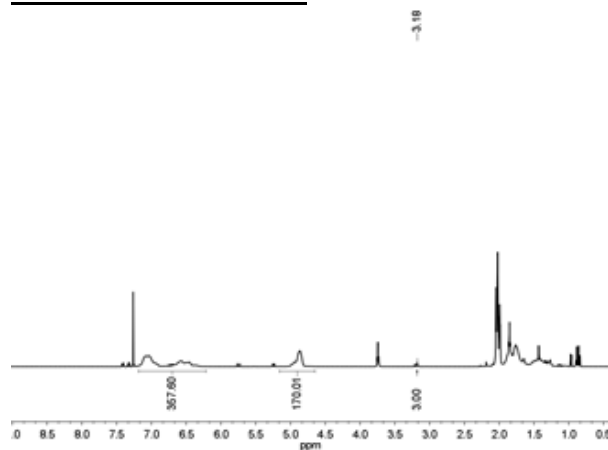
Poly(vinyl acetate) was characterized by size-exclusion chromatography (SEC) to estimate M_n (PS standards) and polydispersity (PDI). NMR was used to confirm the structure. M_n of PVAc-b-PS was estimated from NMR using NMR M_n of PVAc as a reference, and PDI was estimated from SEC.



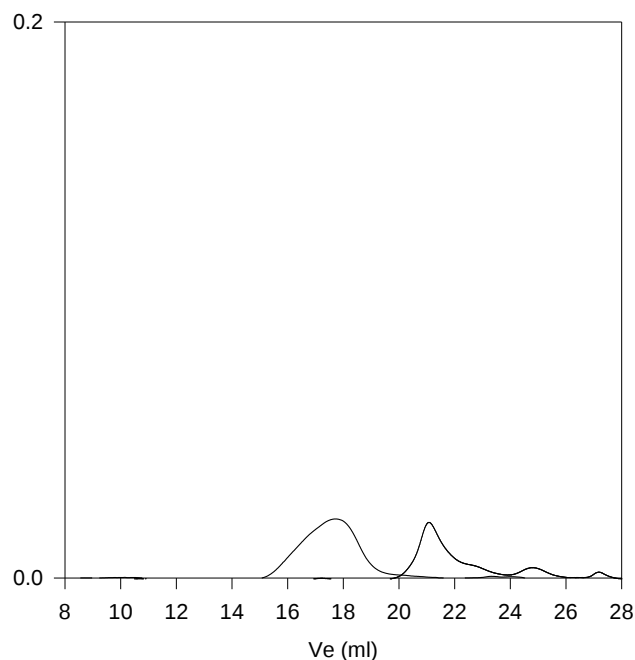
Solubility:

The polymer is soluble in THF, Acetone, CHCl₃ and precipitates from MeOH and Hexane.

HNMR of PVAc-b-PS:



SEC of the block copolymer:



Size exclusion chromatography result:

— VAc-b-S M_n = 6,000-b-35,000 PI=1.8