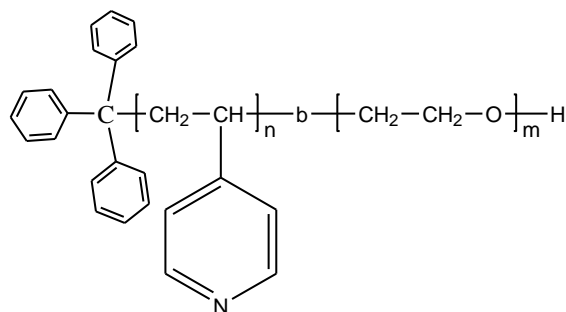


Sample Name:

Poly(4-vinyl pyridine -b- ethylene oxide)

Sample #: **P18970-4VPEO**

Structure:



Composition:

Mn x 10 ³ P4VP-b-PEO	PDI
4.5-b-20.0	1.4

Synthesis Procedure:

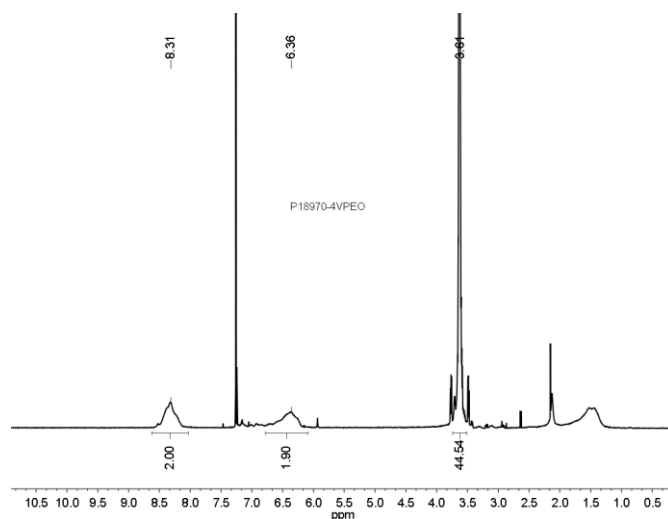
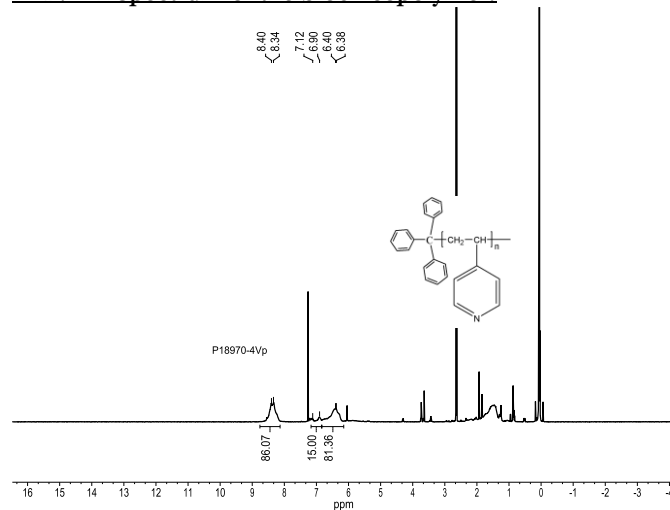
BY anionic polymerization : Ref: S. K. Varshney, X. F. Zhong and A. Eisenberg

"Anionic Homopolymerization and Block Copolymerization of 4-Vinylpyridine and Its Investigation by High-Temperature Size-Exclusion Chromatography in N-Methyl-2-Pyrrolidinone"
CA Vol 118, 12, 102658 Macromolecules, 1993, 26, 701-706.

Characterization:

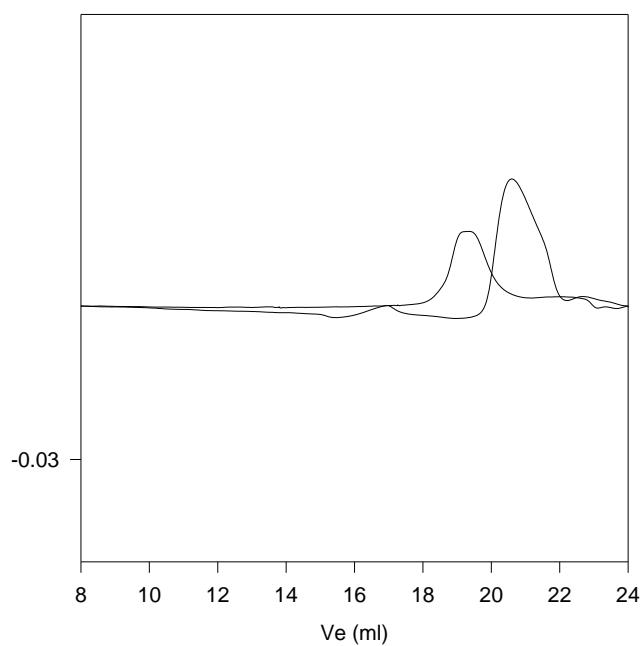
BY SEC and HNMR analysis.

H-NMR Spectrum of the block copolymer:



SEC of the block copolymer:

P18970-4VPEO



— Poly(4-vinylpyridine), M_n=4,500, M_w=5,500, PI=1.19

— Block Copolymer P4VP(4,500)-b-PEO(20,000), PI=1.4