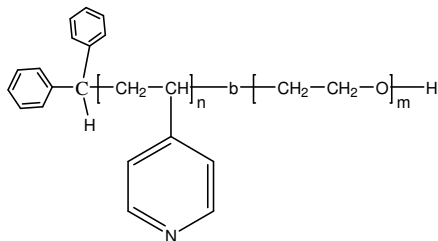


Sample Name:

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

Sample #: P18968-4VPEO

Structure:



Composition:

Mn x 10 ³ P4VP-b-PEO	PDI
5.5-b-10.0	1.6

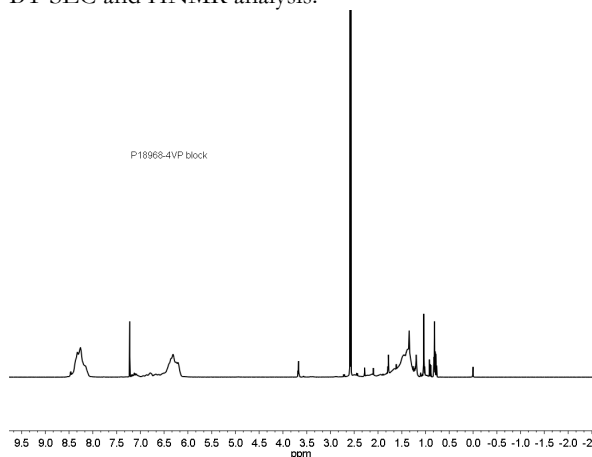
Synthesis Procedure: BY anionic polymerization :

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

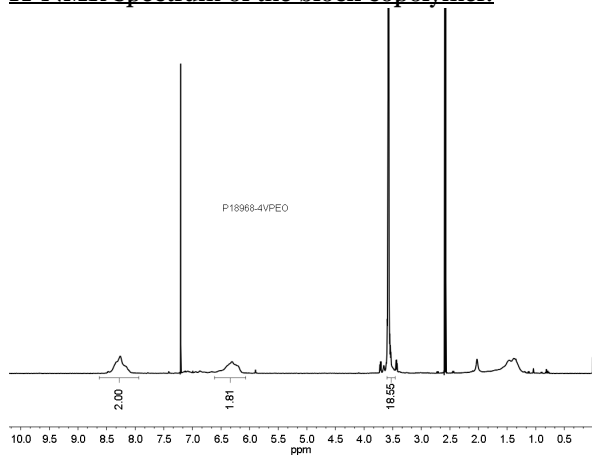
"Anionic Homopolymerization and Block Copolymerization of 4-Vinylpyridine and Its Investigation by High-Temperature Size-Exclusion Chromatography in N-Methyl-2-Pyrrolidinone"
CA Vol 118, 12, 102658 Macromolecules, 1993, 26, 701-706.

Characterization:

BY SEC and HNMR analysis.



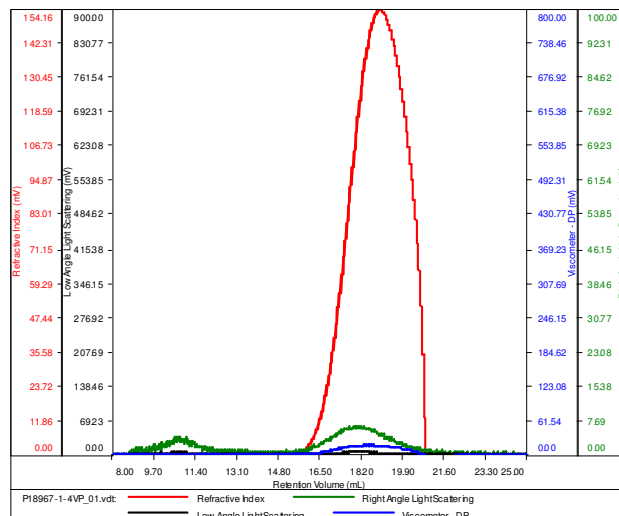
H-NMR Spectrum of the block copolymer:



SEC of the block copolymer:

SAMPLE ID: P18968-4VP first Block

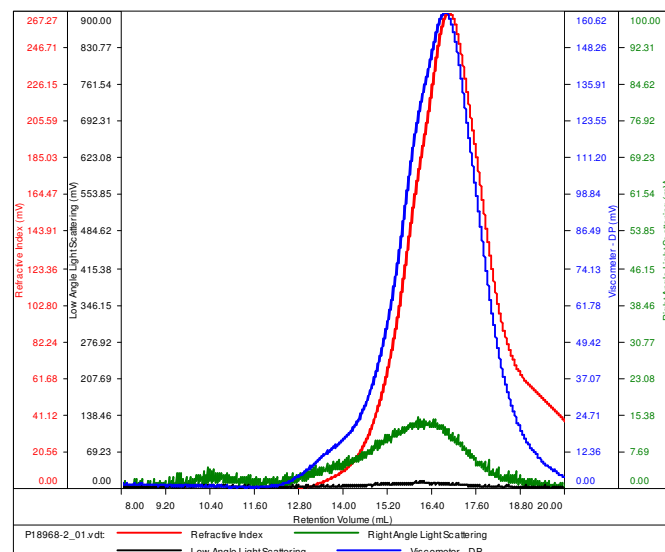
Conc (mg/mL)	8.2893
dn/dc (mL/g)	0.1530
Method	PS80K-17SEP2014-0000.vcm
Solvent	DMF w 0.03M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P18967-1-4VP_01.vdt	5,453	7,619	5,729	1.397	0.0610

SAMPLE ID: P18968-4VPEO

Conc (mg/mL)	25.5116
dn/dc (mL/g)	0.0780
Method	PS80K-17SEP2014-0000.vcm
Solvent	DMF w 0.03M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P18968-2_01.vdt	14,906	23,986	15,767	1.609	0.1766