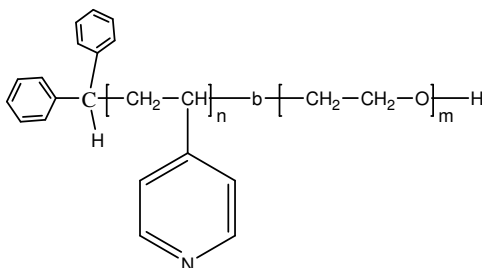


Sample Name:

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

Sample #: **P18966-4VPEO**

Structure:



Composition:

Mn x 10 ³ P4VP-b-PEO	PDI
3.5-b-10.0	1.4

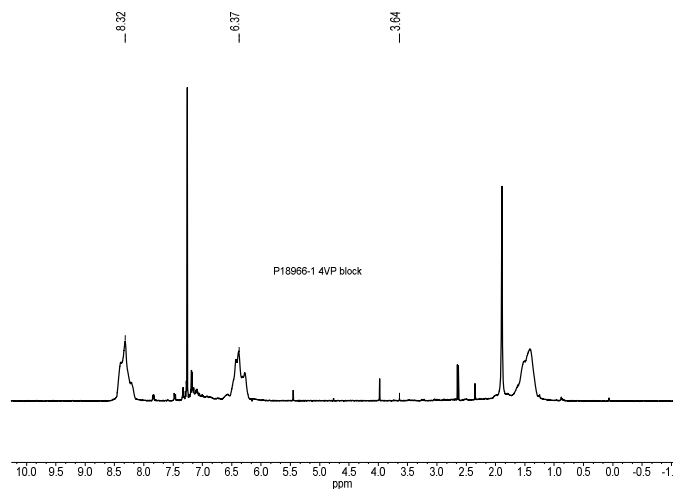
Synthesis Procedure: BY anionic polymerization :

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.

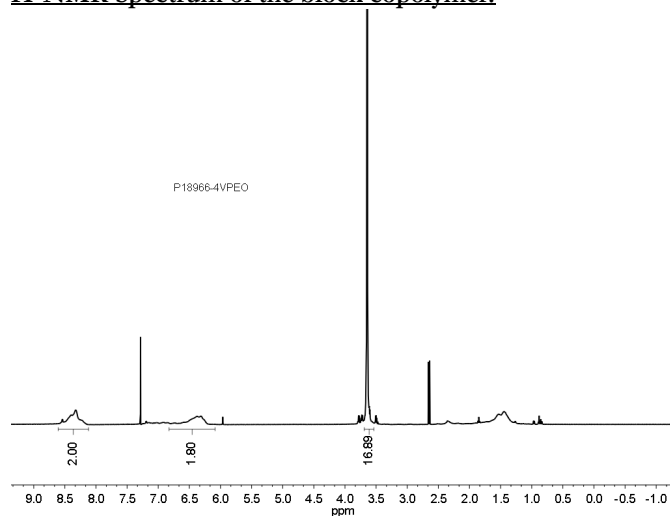
Characterization:

BY SEC and HNMR analysis.

H NMR:



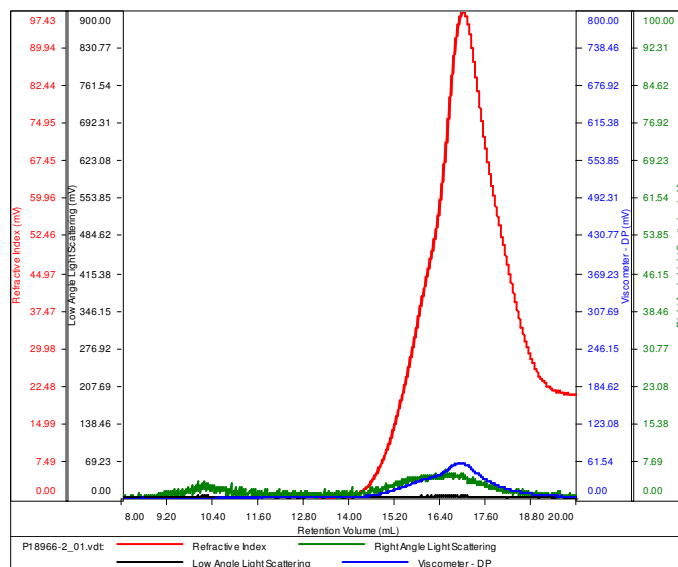
H-NMR Spectrum of the block copolymer:



SEC of the block copolymer:

SAMPLE ID: P18966-4VPEO

Conc (mg/mL)	6.9191
dn/dc (mL/g)	0.0940
Method	PS80K-17SEP2014-0000.vcm
Solvent	DMF w 0.03M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P18966-2_01.vdt	13,356	18,680	11,895	1.399	0.1828