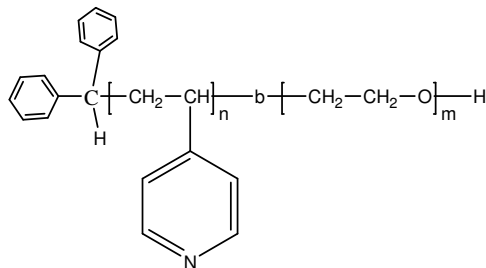


Sample Name:
Poly(4-vinyl pyridine -b- ethylene oxide)
Sample #: **P18975-4VPEO**

Structure:



Composition:

Mn x 10 ³ P4VP-b-PEO	PDI
17.0-b-17.0	1.4

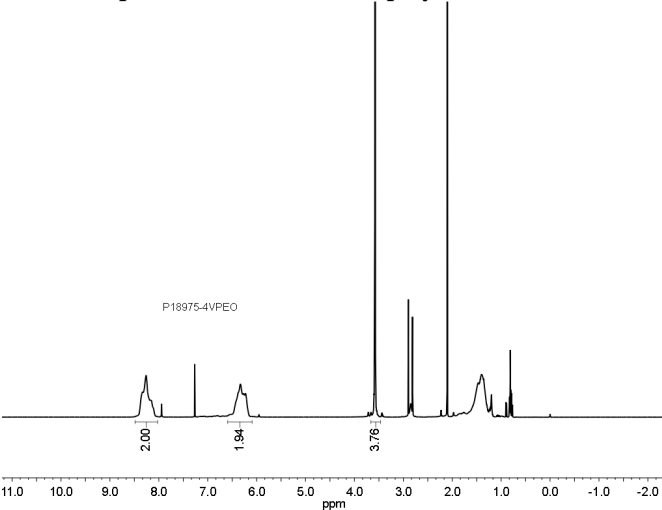
Synthesis Procedure:

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.

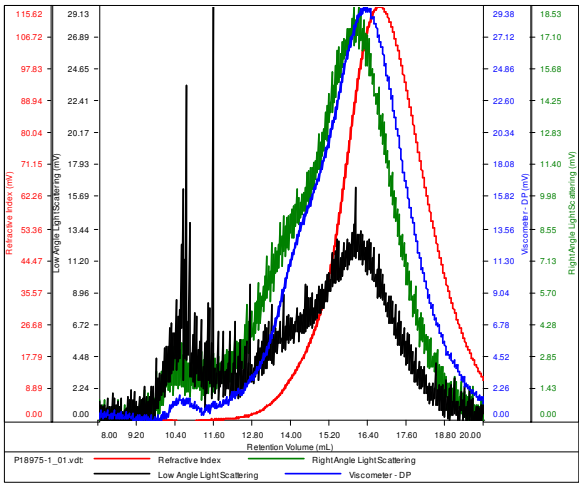
H-NMR Spectrum of the block copolymer:



SEC of the block copolymer:

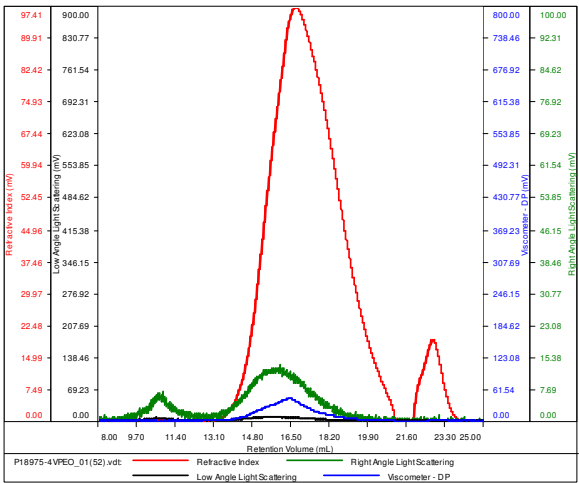
SAMPLEID: P18975-4VP first block

Conc (mg/mL)	6.9375
dn/dc (mL/g)	0.1530
Method	PS80K-17SEP2014-0000.vcm
Solvent	DMF w 0.03M LiBr
Column	PSS



SAMPLEID: P18975-4VP-EO first block

Conc (mg/mL)	12.4940
dn/dc (mL/g)	0.0800
Method	PS80K-17SEP2014-0000.vcm
Solvent	DMF w 0.03M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P18975-4VPEO_01(52).vdt	25,464	44,226	36,249	1.737	0.0972