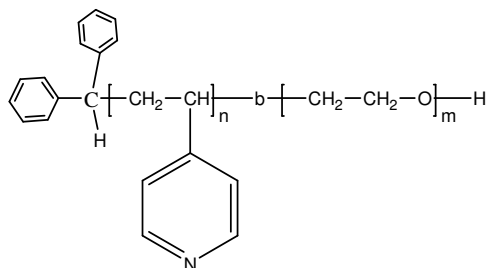


Sample Name:

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

Sample #: **P18973-4VPEO**

Structure:



Composition:

Mn x 10 ³ P4VP-b-PEO	PDI
37.0-b-55.0	1.12

Synthesis Procedure:

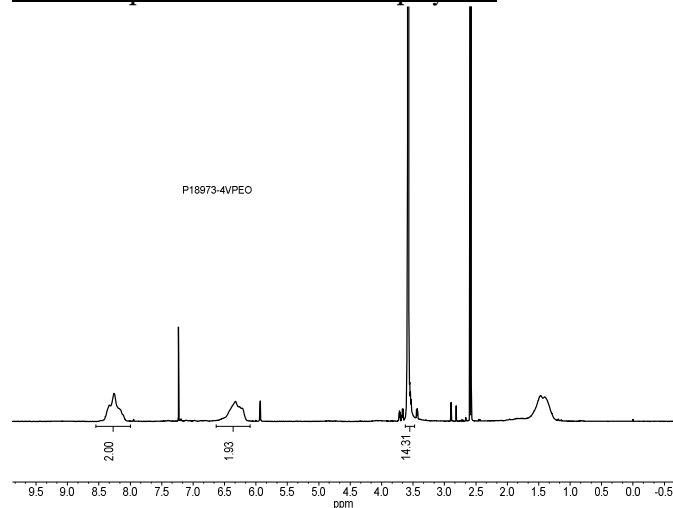
BY anionic polymerization : Ref: S. K. Varshney, X. F. Zhong and A. Eisenberg

"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.

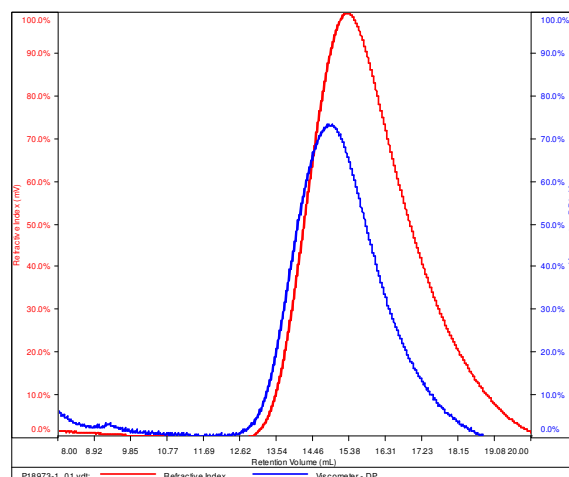
H-NMR Spectrum of the block copolymer:



SEC of the block copolymer:

SAMPLE ID: P18973-4VP

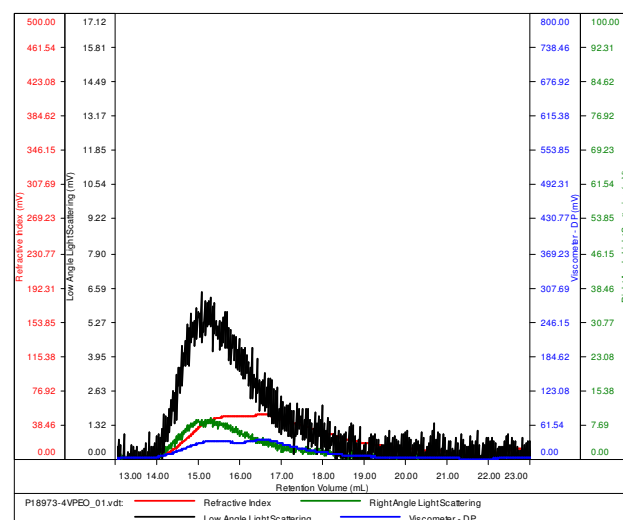
Conc (mg/mL)	6.9869
dn/dc (mL/g)	0.1530
Method	PS80K-NOV2014-0000.vcm
Solvent	DMF w 0.03M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P18973-1_01.vdt	37,324	65,539	61,194	1.756	0.2157

SAMPLE ID: P18973-4VP-EO

Conc (mg/mL)	4.7432
dn/dc (mL/g)	0.0500
Method	PS80K-NOV2014-0000.vcm
Solvent	DMF w 0.03M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P18973-4VPEO_01.vdt	88,588	99,657	60,118	1.125	0.1232