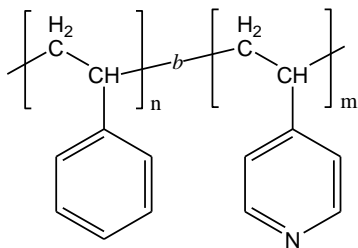


Sample Name: Poly (styrene-b-4-vinyl pyridine)

Sample #: P18246-S4VP

Structure:



Composition:

$M_n \times 10^3$ S-b-4VP	PDI
67.0-b-27.0	1.46

Synthesis Procedure:

Poly (styrene-b-4-vinyl pyridine) is prepared by living anionic polymerization in THF at -78°C in the presence of LiCl as an additive.

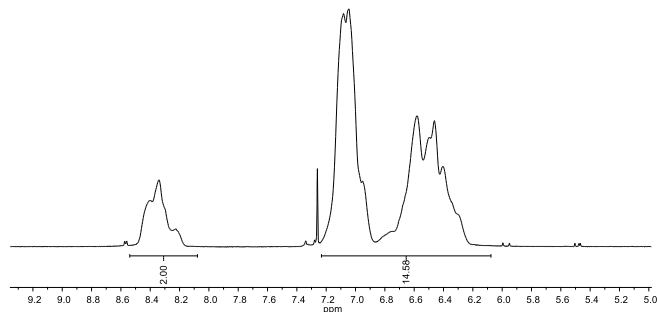
Characterization:

The product was characterized by SEC and by ^1H -NMR.

Solubility:

Poly(styrene-b-4-vinyl pyridine) is soluble in CHCl_3 , and DMF.

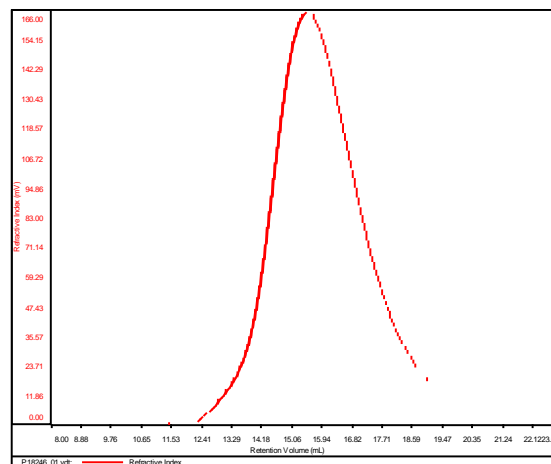
^1H NMR spectrum of the diblock polymer:



SEC of the diblock copolymer:

P18246

Conc	12.3344
dn/dc	0.1650
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS-80k_2018-04-02-0000.vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
P18246_01.vdt	93,895	136,948	112,106	1.459	0.3715

References:

- (1). S. K. Varshney, X. F. Zhong and A. Eisenberg Macromolecules, **1993**, 26, 701-706.
- (2). Z.Gao, S. K. Varshney, S. Wong, A. Eisenberg Macromolecules, **1994**, 27, 7923-7927.