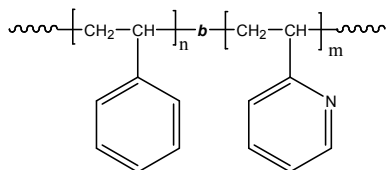


Sample Name:
Polystyrene-*block*-poly (2-vinyl pyridine)

Sample #: P40086P-S2VP

Structure:



Composition of PS-*b*-P2VP diblock copolymer:

$M_n \times 10^3$ (g/mol)	PDI
155.0- <i>b</i> -140.0	1.15

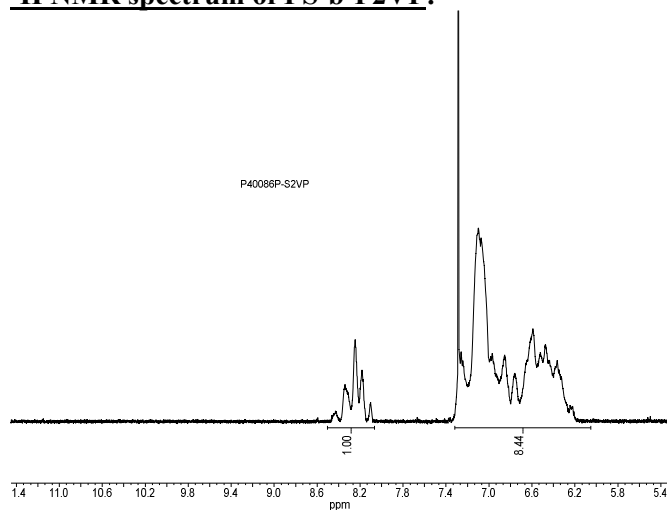
Synthesis:

Polystyrene-*b*-poly (2-vinyl pyridine) was prepared by living anionic polymerization in THF at -78°C in the presence of LiCl as an additive.

Characterization:

The polymer was characterized by ^1H NMR and SEC.

^1H NMR spectrum of PS-*b*-P2VP:



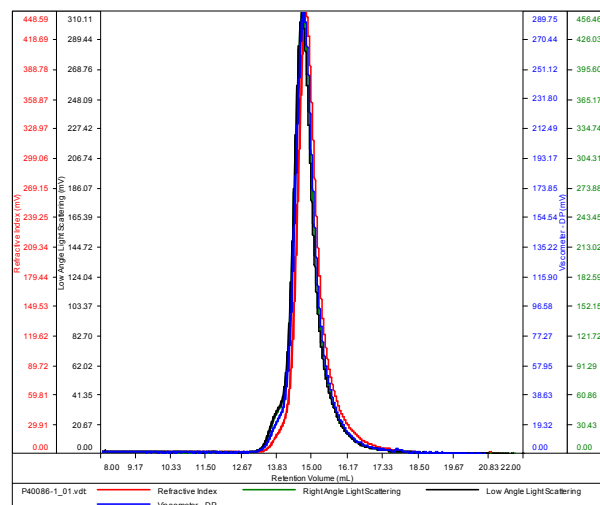
References:

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.

SEC elugram of PS-*b*-P2VP:

P40086-S

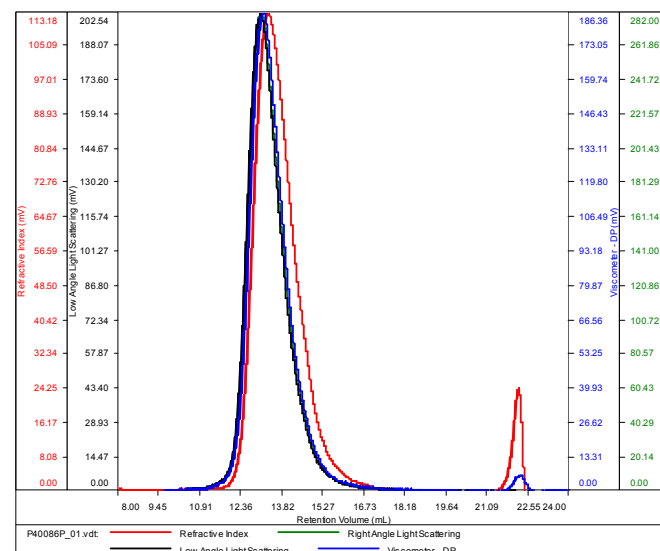
Conc (mg/mL)	6.1805
dn/dc (mL/g)	0.1650
Method	PS80k-August-08-2016-0000.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40086-1_01.vdt	154,842	165,942	157,871	1.072	0.4453

P40086P-S2VP

Conc (mg/mL)	7.0949
dn/dc (mL/g)	0.1600
Method	PS80k_December-2016-0004.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40086P_01.vdt	295,610	341,548	351,874	1.155	0.4181

(v.R-01)