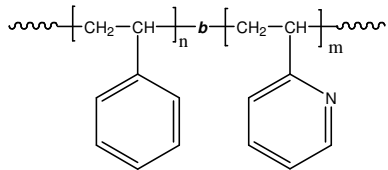


Sample Name:
Polystyrene-*block*-poly (2-vinyl pyridine)

Sample #: P40084-S2VP

Structure:



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

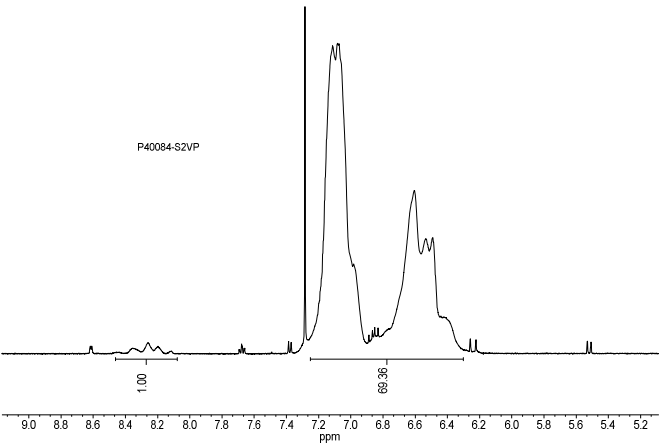
$M_n \times 10^3$ (g/mol)	PDI
299.0-b-23.0	1.08

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:



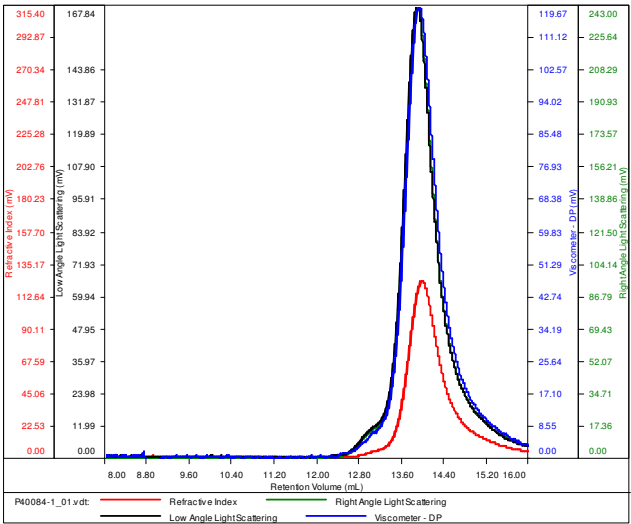
References:

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:

P40084-1

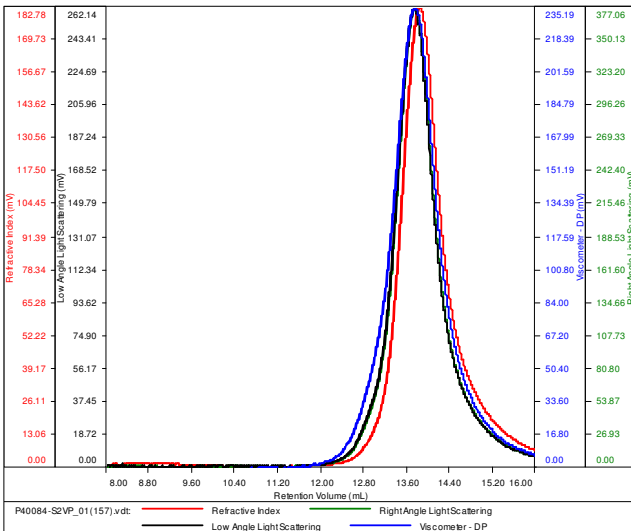
Conc (mg/mL)	1.6408
dn/dc (mL/g)	0.1650
Method	PS80k-August-08-2016-0000.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40084-1_01.vdt	299,393	319,094	309,455	1.066	0.6802

P40084-S2VP

Conc (mg/mL)	3.0874
dn/dc (mL/g)	0.1600
Method	PS80k-August-08-2016-0000.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40084-S2VP_01(157).vdt	322,580	349,616	340,165	1.084	0.9590

(v.K-01)