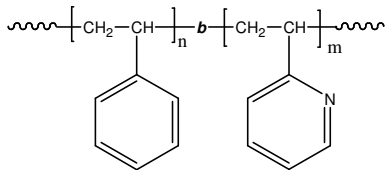


Sample Name:
Polystyrene-*block*-poly (2-vinyl pyridine)

Sample #: P19936-S2VP
Structure:



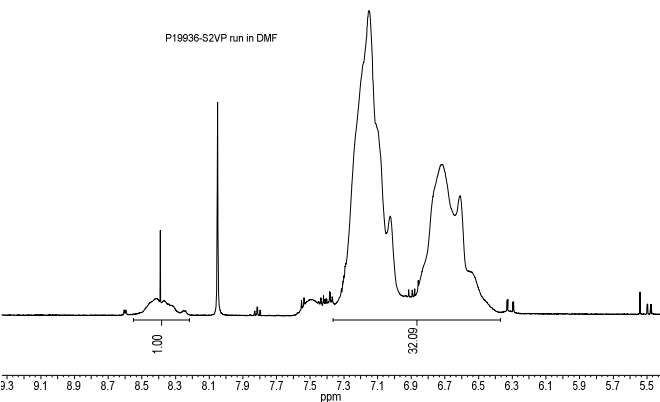
Composition of PS-*b*-P2VP diblock copolymer:

$M_n \times 10^3$ (g/mol)	PDI
307.5-b-46.0	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:

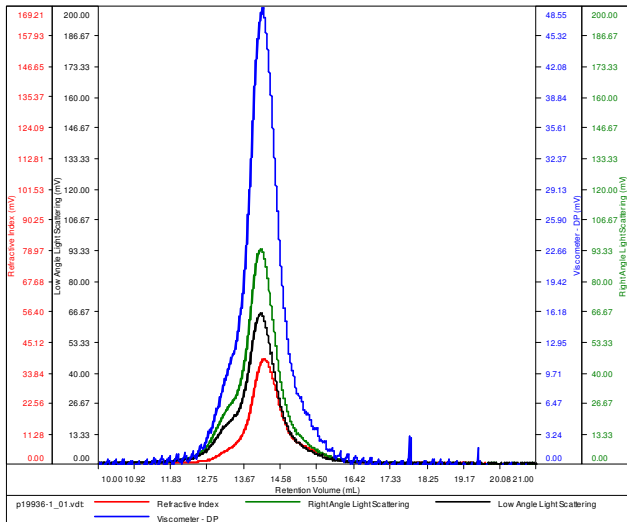


References:

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 in DMF:
P19936-1

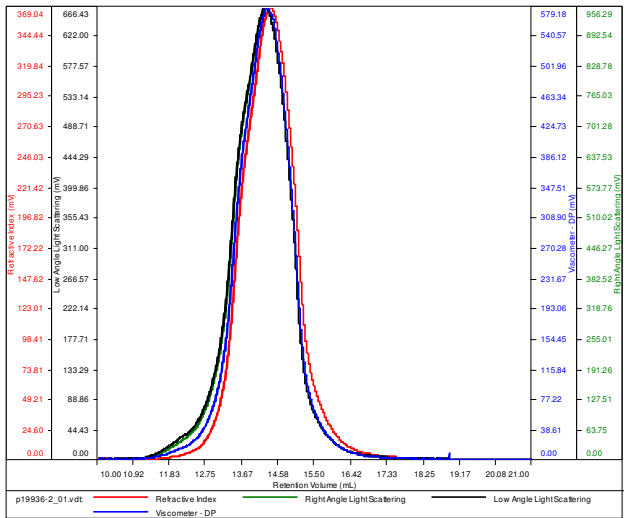
Conc (mg/mL)	0.9300
dn/dc (mL/g)	0.1650
Method	PS80k-May-25-2016-0000.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
p19936-1_01.vdt	307,655	349,059	319,098	1.135	0.6221

P19936-S2VP

Conc (mg/mL)	13.7249
dn/dc (mL/g)	0.1600
Method	PS80k-May-25-2016-0000.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
p19936-2_01.vdt	353,069	383,781	355,610	1.087	0.7250