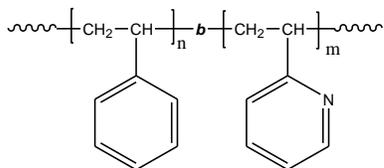


Sample Name:
Polystyrene-*b*-poly (2-vinyl pyridine)

Sample #: **P40076-S2VP**

Structure:



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

$M_n \times 10^3$ (g/mol)	PDI
314.0- <i>b</i> -35.0	1.4

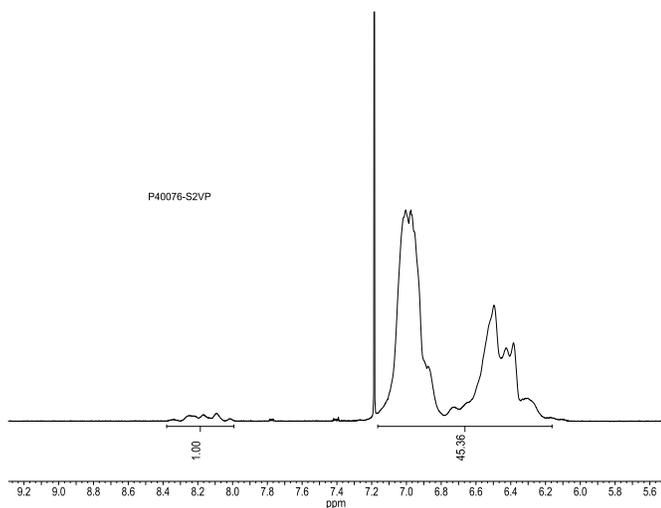
Synthesis:

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.

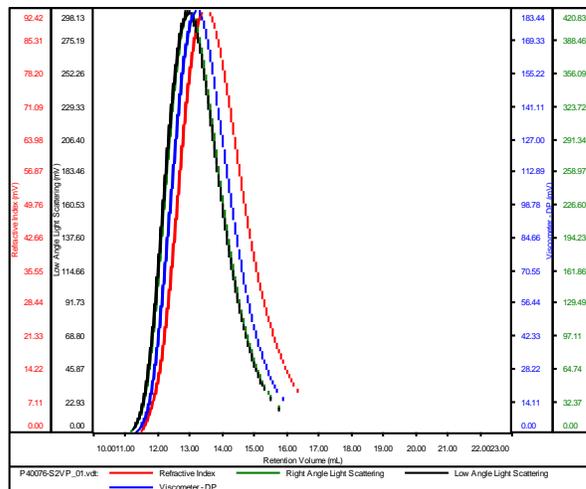
^1H NMR spectrum of PS-*b*-P2VP:



SEC elugram of PS-*b*-P2VP:

P40076-S2VP

Conc	5.6611
dn/dc	0.1650
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS80k_2017-July-05-0000.vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40076-S2VP_01.vdt	348,736	489,726	482,090	1.404	0.8206

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.