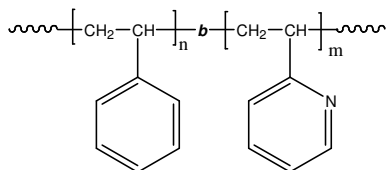


Sample Name:  
Polystyrene-*block*-poly (2-vinyl pyridine)

Sample #: P40070-S2VP

Structure:



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

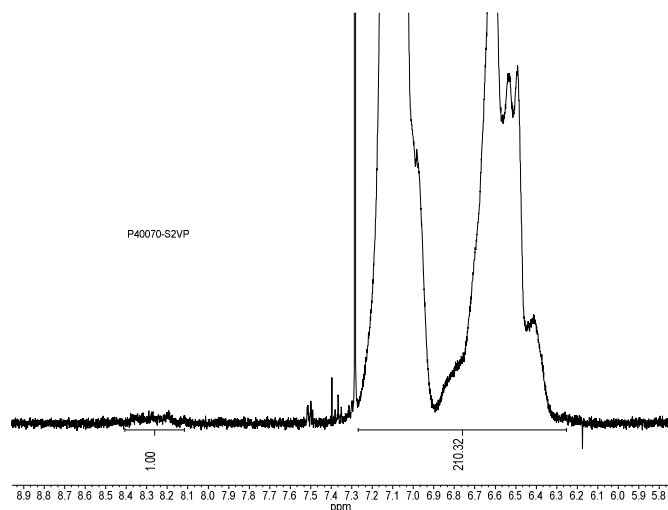
$M_n \times 10^3$ (g/mol)	PDI
297.0- <i>b</i> -6.0	1.13

Synthesis:

Polystyrene-*b*-poly (2-vinyl pyridine) was prepared by living anionic polymerization in THF at  $-78^\circ\text{C}$  in the presence of LiCl as an additive.

**Characterization:** The polymer was characterized by  $^1\text{H}$  NMR and SEC.

$^1\text{H}$  NMR spectrum of PS-*b*-P2VP:



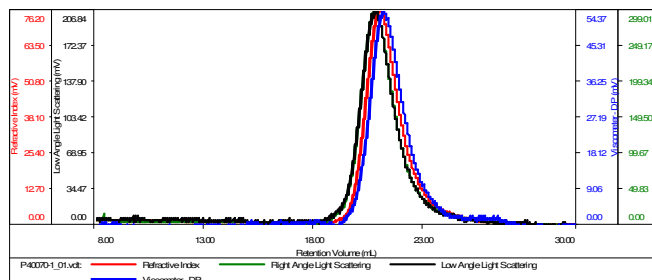
References:

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:

Sample ID: P40070-1

Concentration (mg/mL)	3.1108
Sample dn/dc (mL/g)	0.1880
Method File	PS80K-4August2016-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mh (Da)	Mw (Da)	Mw/Mh	IV (dL/g)	Mp (Da)
P40070-1_01.vdt	297,740	313,294	1.052	0.9929	307,220