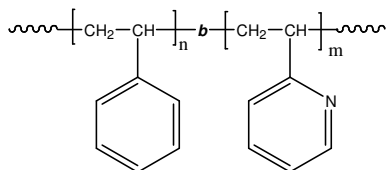


Sample Name:
Polystyrene-*b*-poly (2-vinyl pyridine)

Sample #: **P40077-S2VP**

Structure:



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

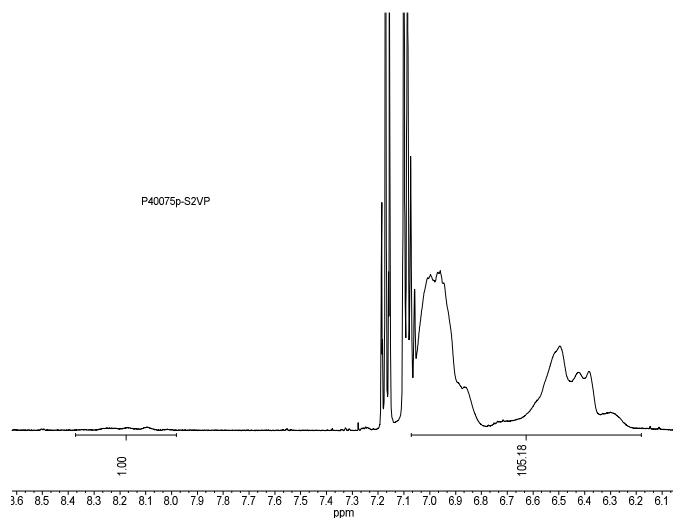
$M_n \times 10^3$ (g/mol)	PDI
320.0-398.0	1.10

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.

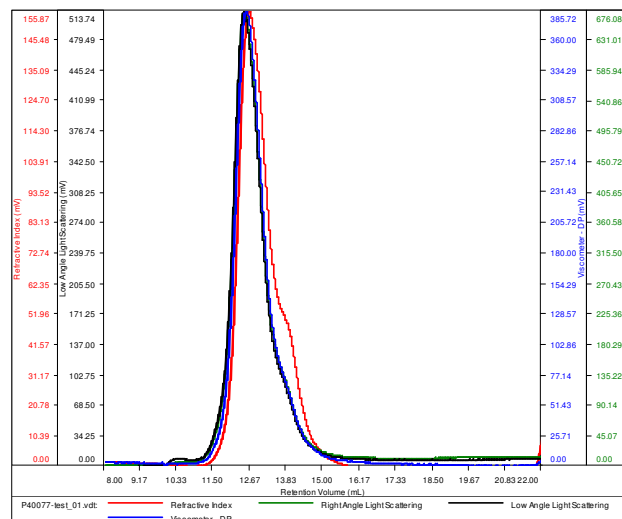
^1H NMR spectrum of PS-*b*-P2VP:



SEC elugram of PS-*b*-P2VP:

P40077-S2VP

Conc (mg/mL)	2.9233
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
P40077-test_01.volt	718,298	792,698	786,687	1.104	3.1322

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.