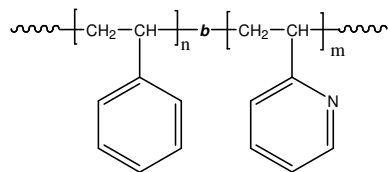


Sample Name:
Polystyrene-*block*-poly (2-vinyl pyridine)

Sample #: P40081-S2VP

Structure:



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

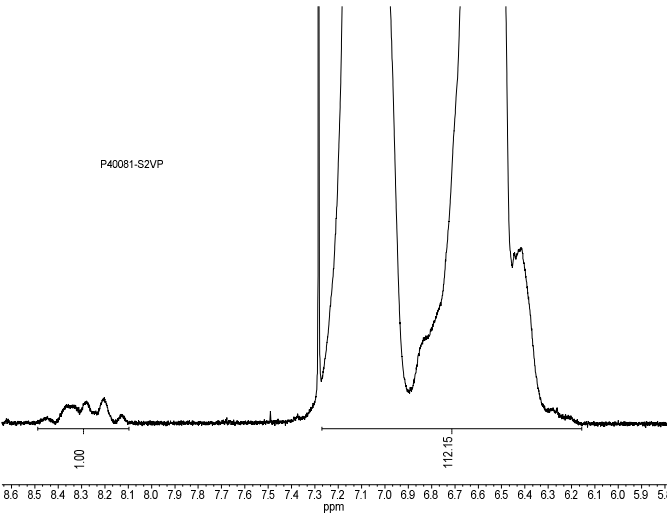
$M_n \times 10^3$ (g/mol)	PDI
556.0- <i>b</i> -32.0	1.10

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.

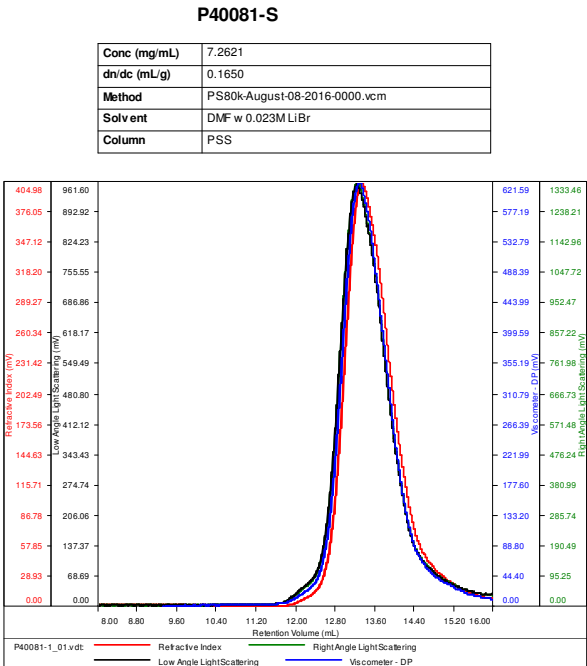
^1H NMR spectrum of PS-*b*-P2VP:



References:

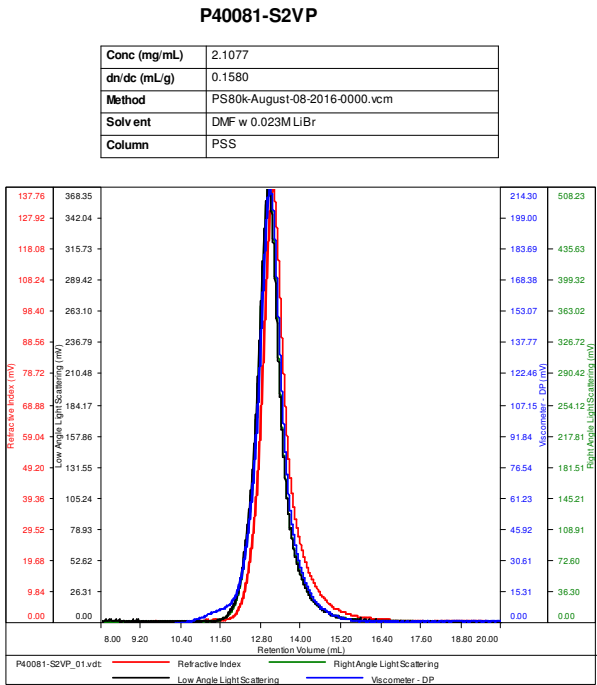
1. S. K. Varshney, X. F. Zhong and A. Eisenberg *Macromolecules* **1993**, 26, 701–706.
2. Z. Gao, S. K. Varshney, S. Wong, A. Eisenberg *Macromolecules* **1994**, 27, 7923–7927.

SEC elugram of PS block:



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40081-1_01.vdt	556,117	581,070	551,114	1.045	1.0388

SEC elugram of PS-*b*-P2VP:



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40081-S2VP_01.vdt	588,625	652,793	640,903	1.109	1.0490