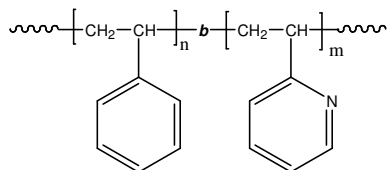


Sample Name:  
**Polystyrene-*block*-poly (2-vinyl pyridine)**

Sample #: **P19906-S2VP**

**Structure:**



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

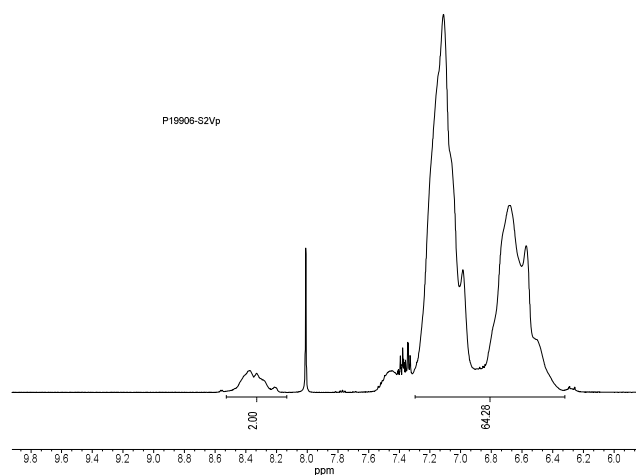
| $M_n \times 10^3$ (g/mol) | PDI  |
|---------------------------|------|
| 240.0-b-18.0              | 1.04 |

**Synthesis:**

The polymer was synthesized by anionic process

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

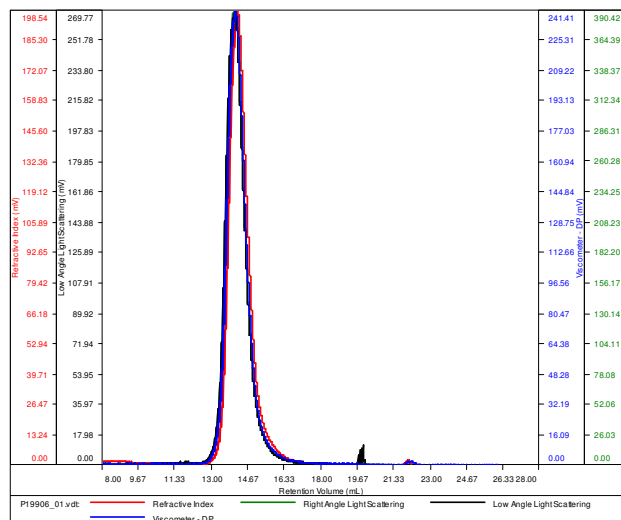
**$^1\text{H}$  NMR spectrum of PS-*b*-P2VP:**



**SEC elugram of PS-*b*-P2VP:**

**P19906-S2VP**

|              |                            |
|--------------|----------------------------|
| Conc (mg/mL) | 4.8853                     |
| 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     |
|---------------|---------|---------|---------|-------|--------|
| P19906_01.vdt | 257,850 | 269,656 | 266,144 | 1.046 | 0.5571 |

**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.