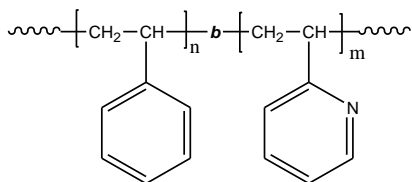


**Sample Name:** Polystyrene-*block*-poly (2-vinyl pyridine)

**Sample #:** P42076-S2VP

**Structure:**



**Composition:**

Mn x 10 <sup>3</sup> PS-b-2VP	PDI
224.0-b-198.0	1.27

**Synthesis Procedure:**

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.

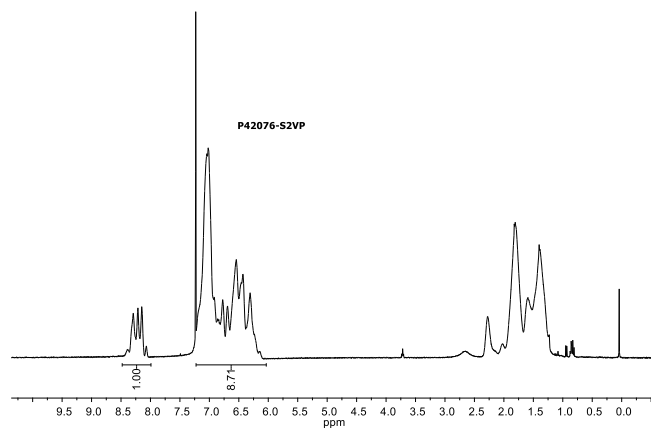
**Characterization:**

The product was characterized by size exclusion chromatography (SEC) and <sup>1</sup>H NMR.

**Solubility:**

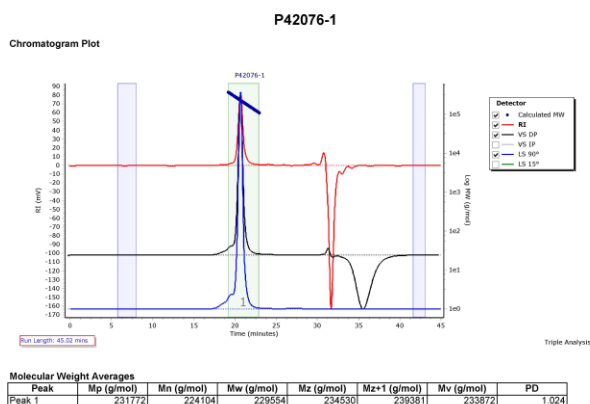
Poly (styrene-*b*-2 vinylpyridine) is soluble in THF, toluene, and CHCl<sub>3</sub>. The diblock copolymer can also be solubilized in methanol, ethanol depending on its composition. The polymer readily precipitates from hexanes, ether and water.

**H-NMR Spectrum of the Sample:**



**SEC elugram of the S block:**

Agilent GPC/SEC Software



**SEC elugram of the Sample:**

