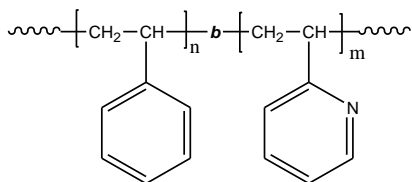


Sample Name:  
**Polystyrene-*b*-poly (2-vinyl pyridine)**

Sample #: **P42260-S2VP**

**Structure:**



**Composition:**

Mn x 10 <sup>3</sup> PS- <i>b</i> -2VP	PDI
20.5- <i>b</i> -4.0	1.01

**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.

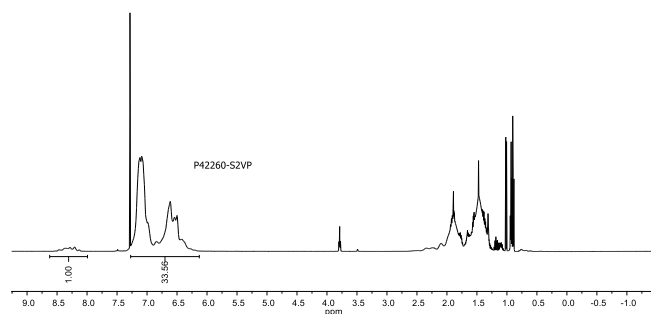
**Characterization:**

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

**Solubility:**

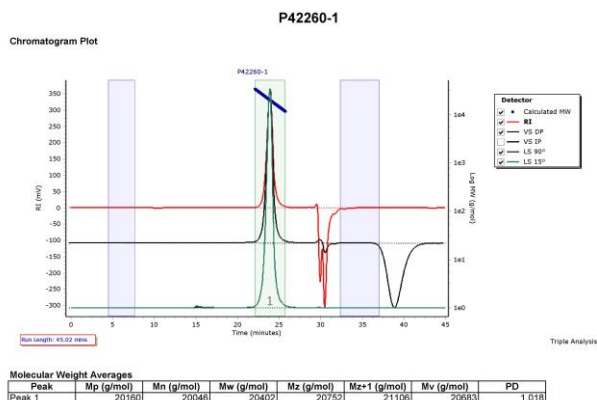
Poly (styrene-*b*-2 vinylpyridine) is soluble in THF, toluene, and CHCl<sub>3</sub>. The diblock copolymer can also be solubilized in methanol, ethanol depending on its composition. The polymer readily precipitates from hexanes, ether and water.

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



**SEC elugram of the S block:**

Agilent GPC/SEC Software



**SEC elugram of the Sample:**

Agilent GPC/SEC Software

