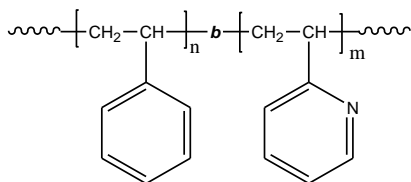


Sample Name:  
**Polystyrene-*b*-poly (2-vinyl pyridine)**

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.

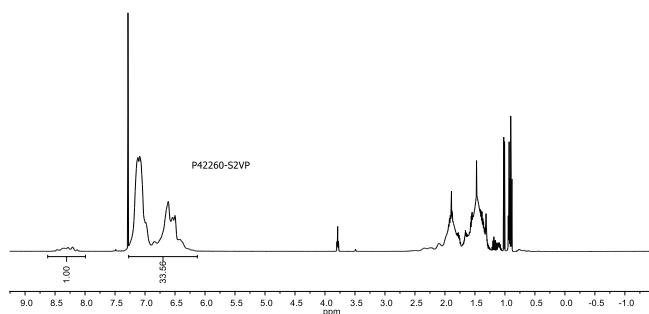
Characterization:

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

Solubility:

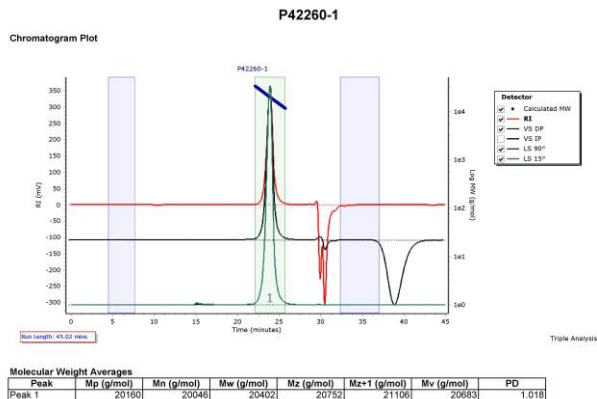
Poly (styrene-*b*-2 vinylpyridine) is soluble in THF, toluene, and CHCl<sub>3</sub>. The diblock copolymer can also be solubilized in methanol, ethanol depending on its composition. The polymer readily precipitates from hexanes, ether and water.

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

