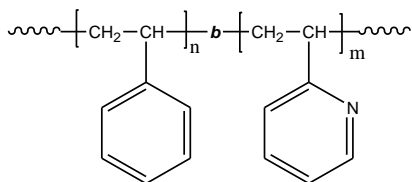


Sample Name:
Polystyrene-*b*-poly (2-vinyl pyridine)

Sample #: **P42256-S2VP**

Structure:



Composition:

| Mn x 10 ³ PS- <i>b</i> -2VP | PDI |
|---|------|
| 43.0- <i>b</i> -12.0 | 1.03 |

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.

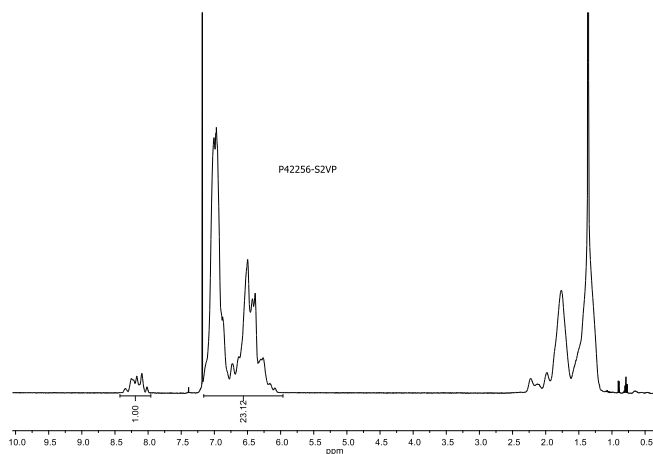
Characterization:

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

Solubility:

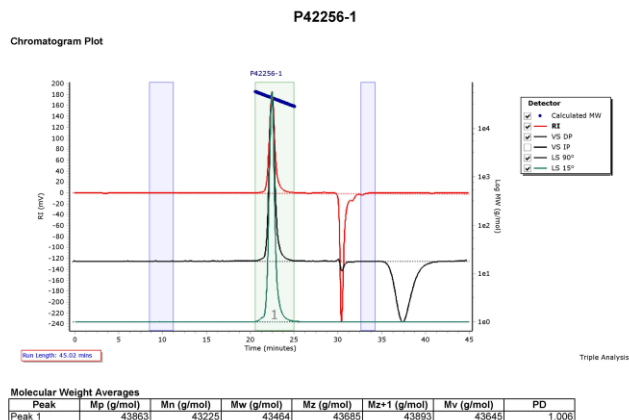
Poly (styrene-*b*-2 vinylpyridine) is soluble in THF, toluene, and CHCl₃. The diblock copolymer can also be solubilized in methanol, ethanol depending on its composition. The polymer readily precipitates from hexanes, ether and water.

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

