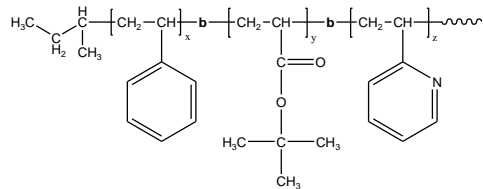


**Sample Name:** Poly(styrene-b-tert.butyl acrylate -b- 2-vinyl pyridine)

**Sample #:** P4342-StBuA2VP

**Structure:**



**Composition:**

Mn x 10 <sup>3</sup> S-b-tBuA-b-2VP	PDI
49.0-b-2.0-b-1.0	1.08

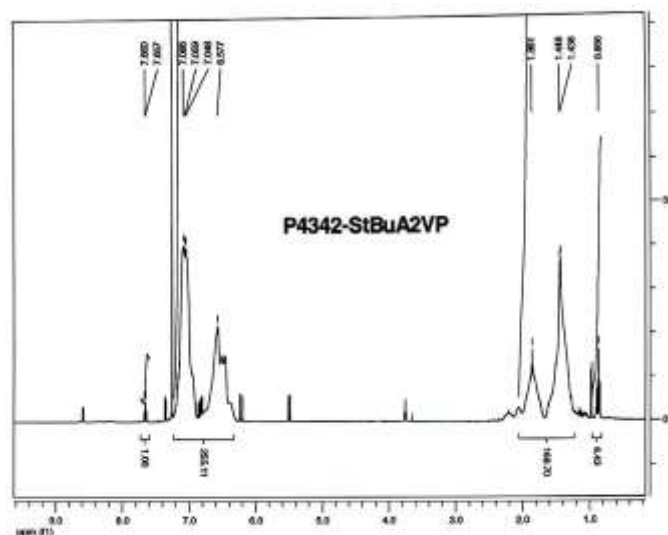
**Synthesis Procedure:**

The polymer was synthesized by anionic polymerization process.

**Characterization:**

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

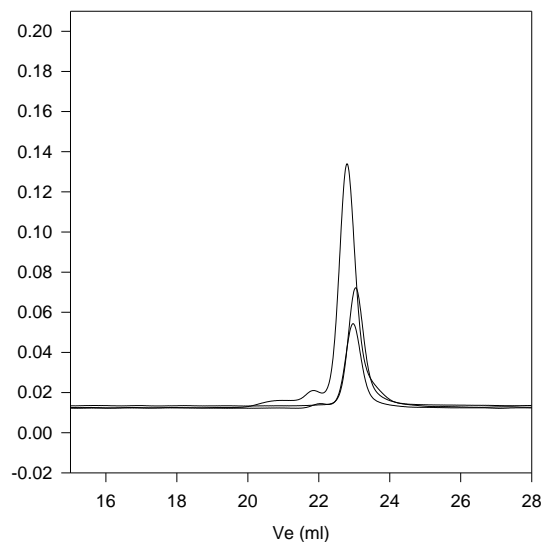
**<sup>1</sup>H NMR spectrum of the polymer:**



Sample # P4342-StBuA2VP

**SEC for the polymer:**

**P4342-StBuA2VP**



Size exclusion chromatography of poly(St-b-t.BuA-b-2VP)

- PS, M<sub>n</sub>=49000, M<sub>w</sub>=53000, Mw/Mn=1.08
- Poly(S-b-t.BuA): PS(49000)-b-tBuA(2000) Mw/Mn=1.08
- Triblock copolymer: PS(49000)-b-tBuA(2000)-b-2VP(1000): Mw/Mn=1.08  
Composition from <sup>1</sup>H NMR