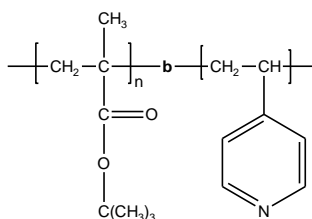


Sample Name:

**Poly (t-butyl methacrylate-b-4-vinyl pyridine)**

Sample #: **P44137-tBuMA4VP**

**Structure:**



**Composition:**

Mn × 10 <sup>3</sup> tBuMA-4VP	PDI
86.0-b-67.0	1.15

T <sub>g</sub> for tBuMA block: 127 °C
T <sub>g</sub> for 4VP block: 152 °C

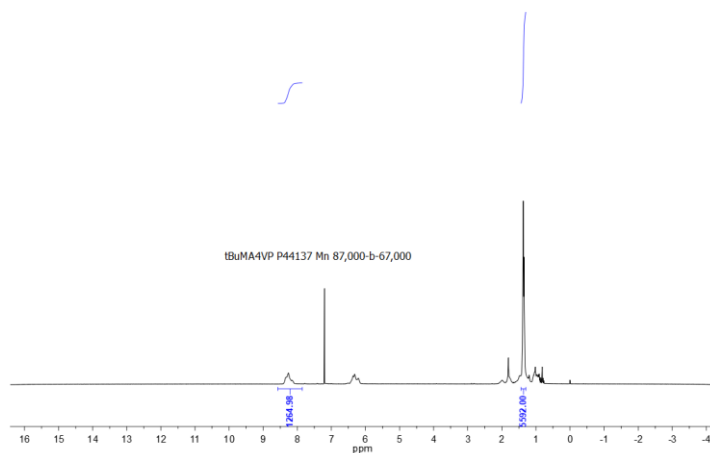
**Synthesis Procedure:**

Poly(t-butyl methacrylate-b-4-vinyl pyridine) is synthesized by anionic polymerization process.

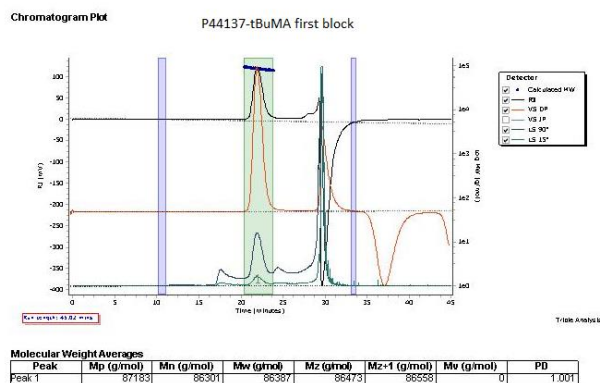
**Characterization:**

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

**<sup>1</sup>H NMR Spectrum of the block copolymer:**

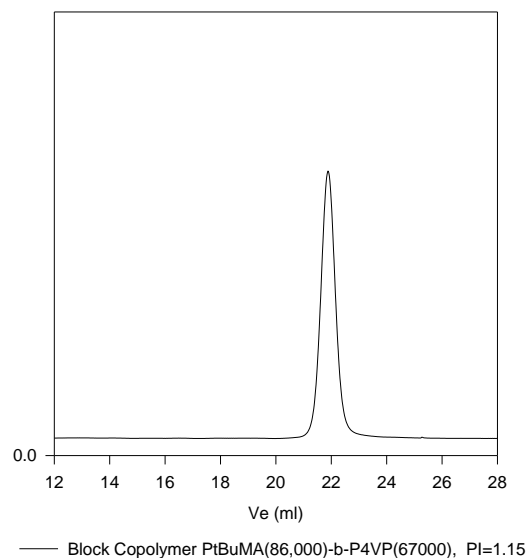


**SEC elugram of the first Block:**

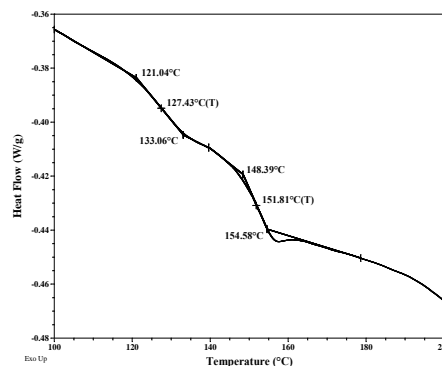


**SEC elugram of the Sample:**

**P44137-tBuMA4VP run in DMF**



**DSC Thermogram of the polymer:**



**Reference:**

**S. K. Varshney, X. F. Zhong and A. Eisenberg**  
*Macromolecules*, 1993, 26, 701-706.