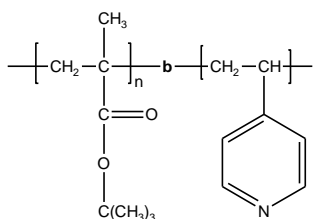


Sample Name:

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

Sample #: **P42481-tBuMA4VP**

Structure:



Composition:

$M_n \times 10^3$ tBuMA-4VP	PDI
87.0-b-25.0	1.15
$T_g$ for tBuMA block	127 °C
$T_g$ for 4VP block	152 °C

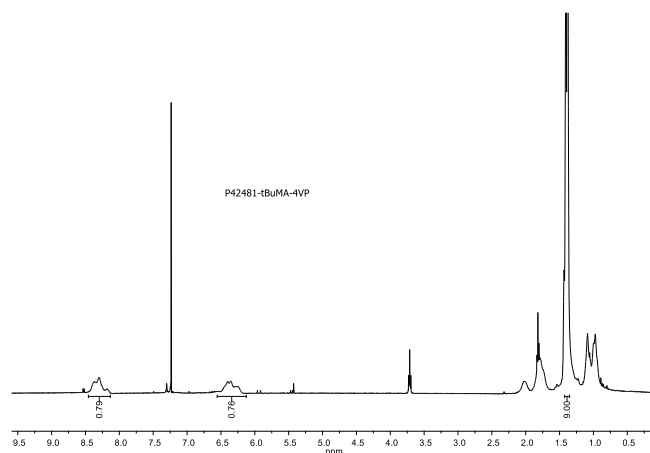
Synthesis Procedure:

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

Characterization:

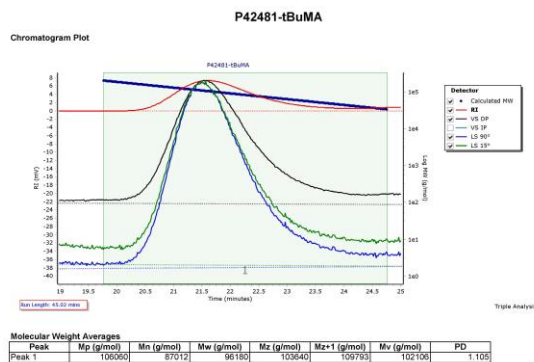
The product was characterized by size exclusion chromatography (SEC) and  $^1\text{H}$  NMR analysis.

**$^1\text{H}$ -NMR Spectrum of the block copolymer:**

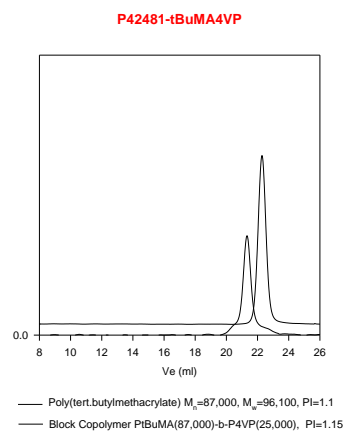


**SEC elugram of the first Block:**

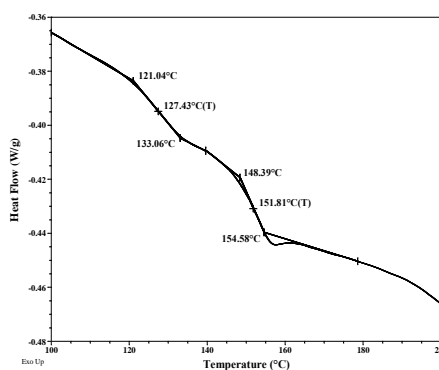
Agilent GPC/SEC Software



**SEC elugram of the polymer:**



**DSC Thermogram of the polymer:**



Reference:

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