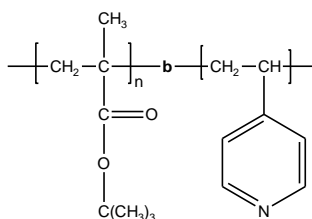


Sample Name:

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

Sample #: **P43674-tBuMA4VP**

Structure:



Composition:

Mn × 10 ³ tBuMA-4VP	PDI
233.0-b-67.0	1.26

T _g for tBuMA block: 127 °C
T _g for 4VP block: 152 °C

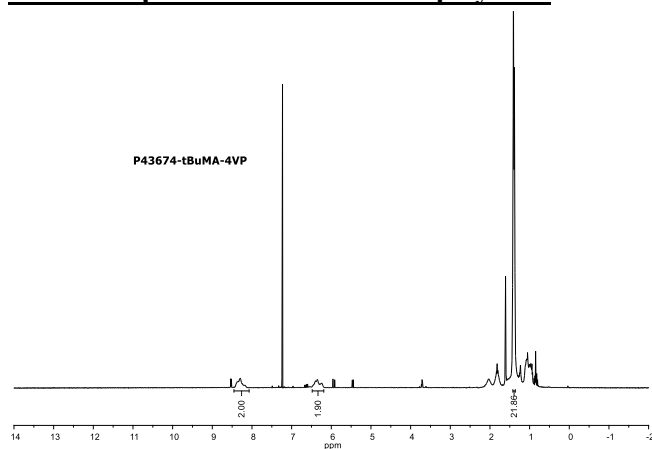
Synthesis Procedure:

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

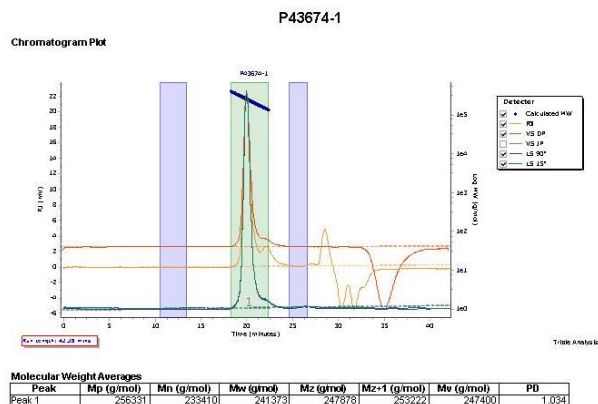
Characterization:

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

¹H NMR Spectrum of the block copolymer:



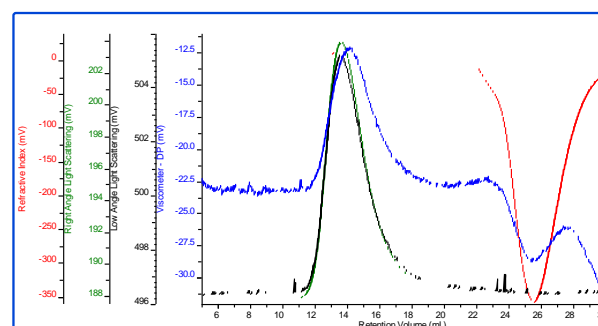
SEC elugram of the first Block:



SEC elugram of the polymer:

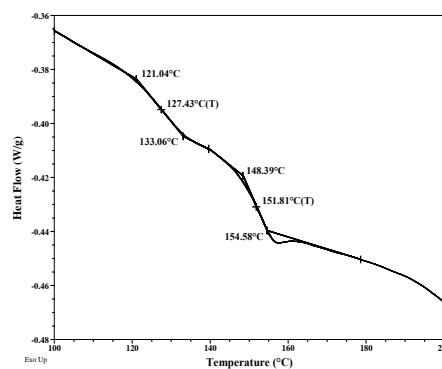
P43674-tBuMA4VP

dn/dc	0.0960
Flow Rate	0.7000
Solvent	DMF with LiBr
Method	Calibration_2020-11-25_PMMA-85K-0004.vcm



Sample	Mn	Mw	Mp	Mw/Mn
P43674_1_2022-03-06	299,745	380,370	317,497	1.269

DSC Thermogram of the polymer:



Reference:

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