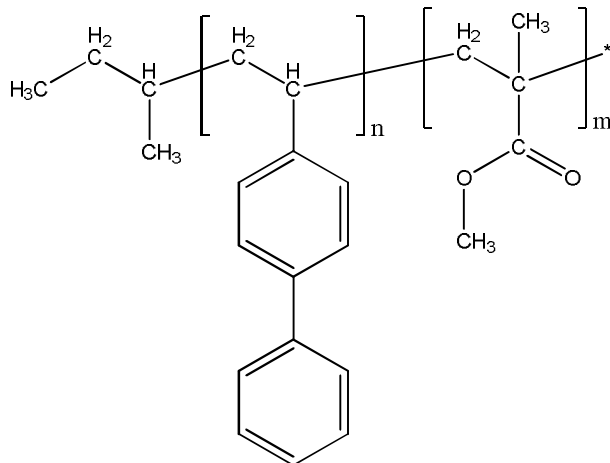


Sample Name:
Poly(4-vinyl biphenyl *b*- methyl methacrylate)

Sample #: P19856-VBPMMA

Structure:



Composition:

$M_n \times 10^3$ (VBP- <i>b</i> -MMA)	M_w/M_n
60.0- <i>b</i> -8.0	1.7

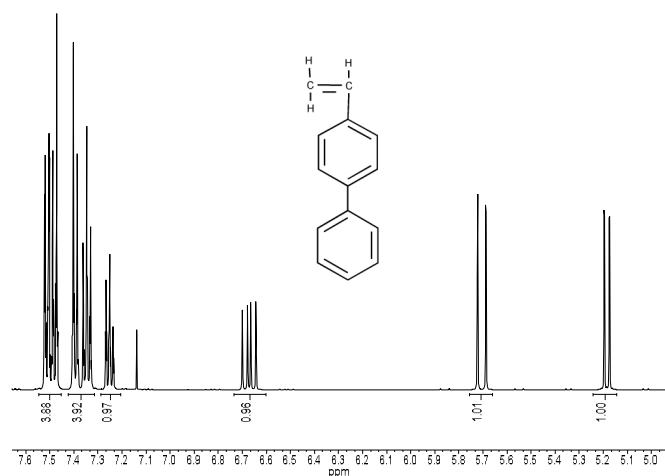
Synthesis procedure:

The polymer was synthesized by anionic process.

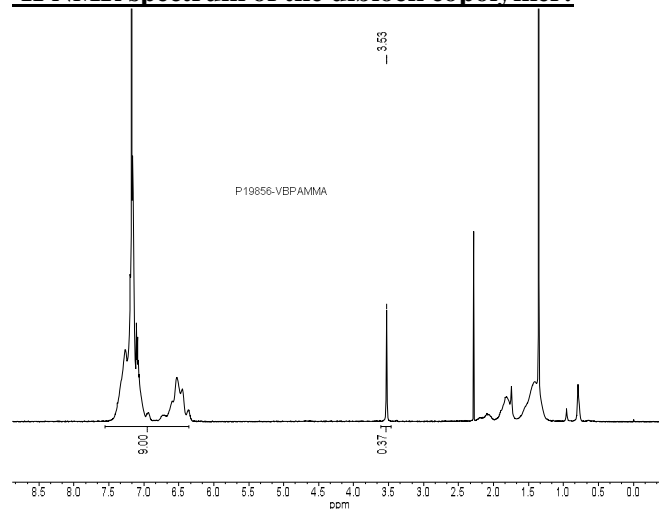
Solubility:

The polymer is soluble in THF, CHCl_3 , toluene.

^1H NMR spectrum of 4-vinyl biphenyl monomer.



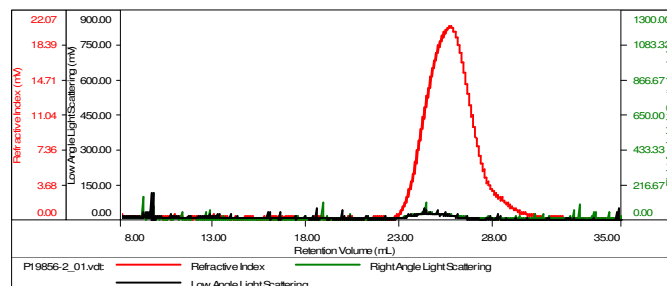
^1H NMR spectrum of the diblock copolymer:



SEC elugram of the polymer:

Sample ID: P19856-VBP-MMA

Concentration (mg/mL)	0.7761
Sample dn/dc (mL/g)	0.1850
Method File	PS80K-April-18-2016-0001.vom
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number	MW Weight	Polydispersity	Intrinsic Viscosity (dL/g)	Hydrodynamic Radius (nm)	Peak Retention Volume (mL)
P19856-2_01.vdt	67,829	115,839	1.708	0.4215	10.99	25.040