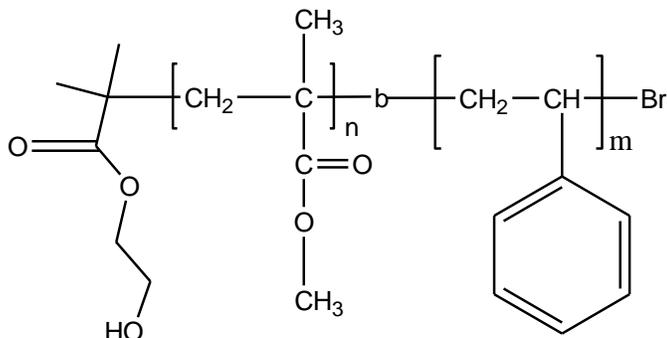


**Sample Name: Hydroxy Terminated Poly(methylmethacrylate-*b*-styrene) with Bromide terminal end towards polystyrene block**

**Sample #: P6646B-HOMMASBr**

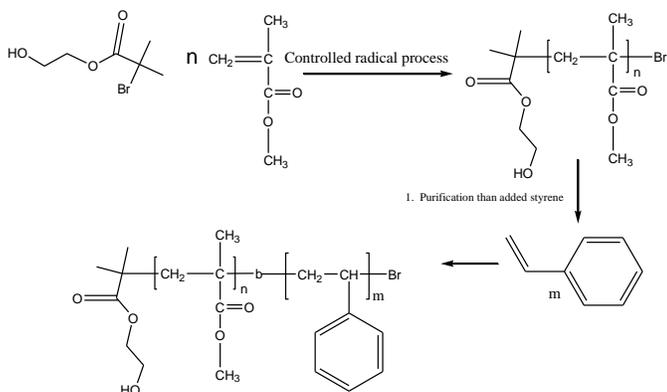


**Composition:**

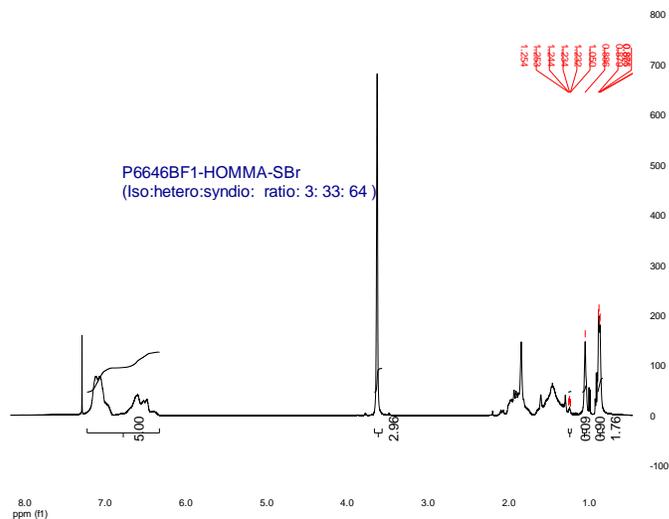
Mn x 10 <sup>3</sup> MMA- <i>b</i> -St	Mw/Mn (PDI)	PMMA microstructure re (Iso:hetero:syndio)
25.0- <i>b</i> -26.0	1.26	3: 33: 64

**Synthesis Procedure:**

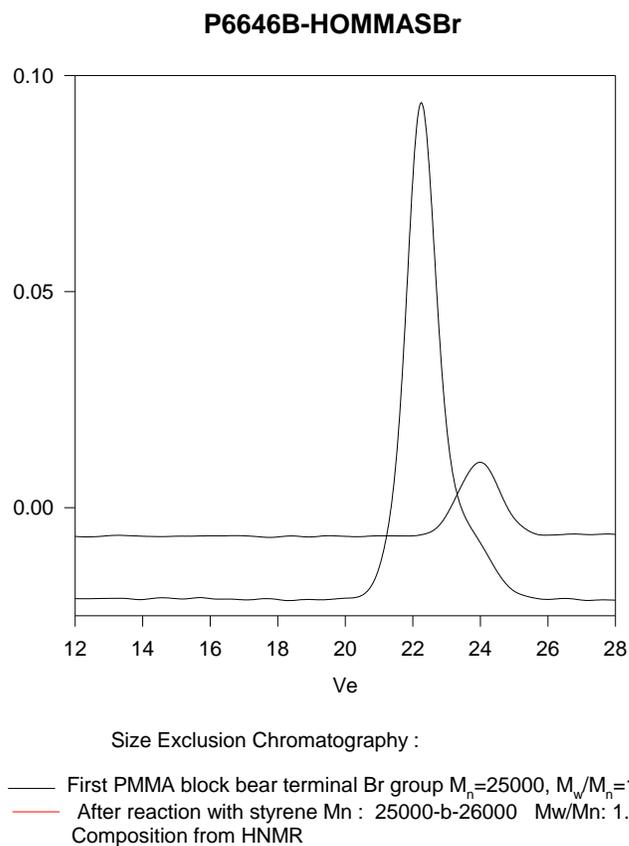
Polymer is obtained by controlled radical process using different ligand system. The scheme of the reaction is illustrated below:



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



**SEC profile of the block copolymer:**



**Characterization:**

Polymer was analyzed by size exclusion chromatography (SEC) to obtain the molecular weight and polydispersity index (PDI). The final block copolymer composition was calculated from <sup>1</sup>H-NMR spectroscopy.