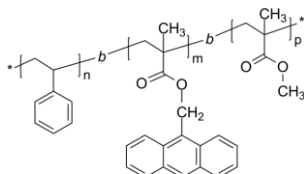


Sample Name: Poly(styrene)-b-poly (9-anthracenyl methyl methacrylate)-b-poly (methyl methacrylate), triblock copolymer

Sample # : P19672-SAnMMAMMA

Structure :

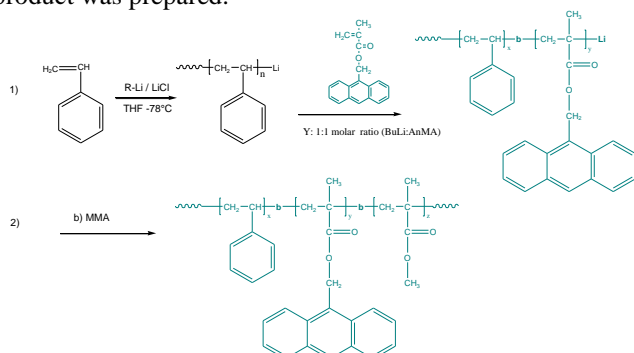


Composition :

Mn x 10 ³ S-b-AnMMA--MMA	PDI
70.0-b-0.5-b-8.0	1.02

Synthesis Procedure:

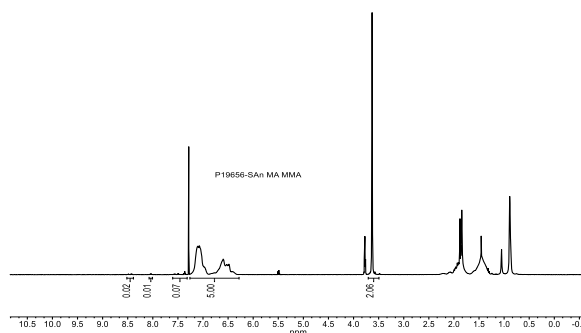
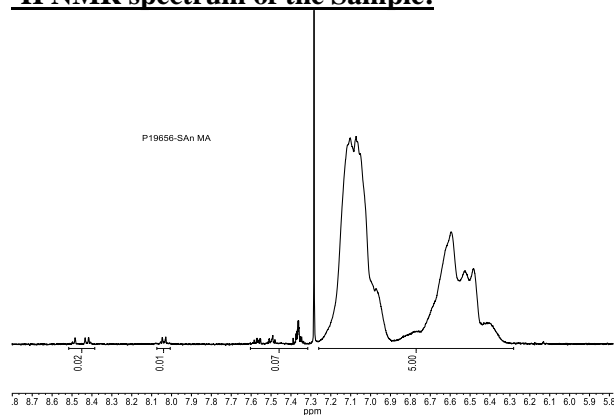
The polymer was synthesized by anionic polymerization process. The following reaction scheme shows how the product was prepared:



Characterization:

The polymer was characterized by SEC and ¹H NMR.

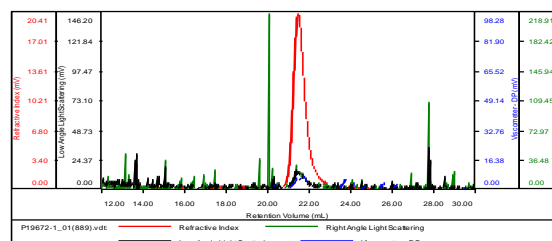
¹H NMR spectrum of the Sample:



SEC elugram:

Sample ID-P19672-1

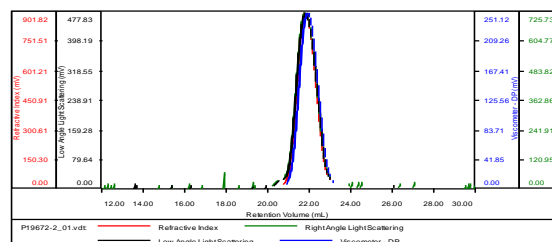
Concentration (mg/mL)	0.0711
Sample dn/dc (mL/g)	0.1850
Method File	PS80K-June30-2015-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P19672-1_01 (889).vdt	69,640	71,624	72,831	1.029	2.3949

Sample ID-P19672-2-S-AnMMA-MMA

Concentration (mg/mL)	6.7287
Sample dn/dc (mL/g)	0.1400
Method File	PS80K-June30-2015-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P19672-2_01.vdt	78,992	79,775	75,231	1.010	1.0672

References for further information:

1. S. K. Varshney, R. Fayt, Ph. Teyssie, and J.P. Hautekeer US Patent 5,264,527 (1993)
2. Ph. Teyssie, Ph. Bayard, R. Jerome, S. K. Varshney, and J. S. Wang, *35th IUPAC International Union of Pure & Applied Chemistry International Symposium on Macromolecules* 1994, 67.
3. Ph. Teyssie, R. Fayt, J. P. Hautekeer, C. Jacobs, R. Jerome, L. Leemans and S. K. Varshney *Makromolekular Chemie, Macromol. Symp.*, 1990, 32,61-73.