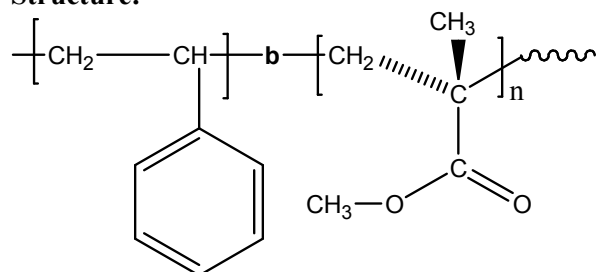


Sample Name: Poly (styrene-b-methyl methacrylate)
(PMMA iso rich)

Sample #: P40518-SMMAiso

Structure:



Composition:

Mn x 10 ³ S-b-MMA	PDI
18.5-b-93.0	1.22
T _g for diblock polymer:	63.2 °C
Iso contents of PMMA	>90%

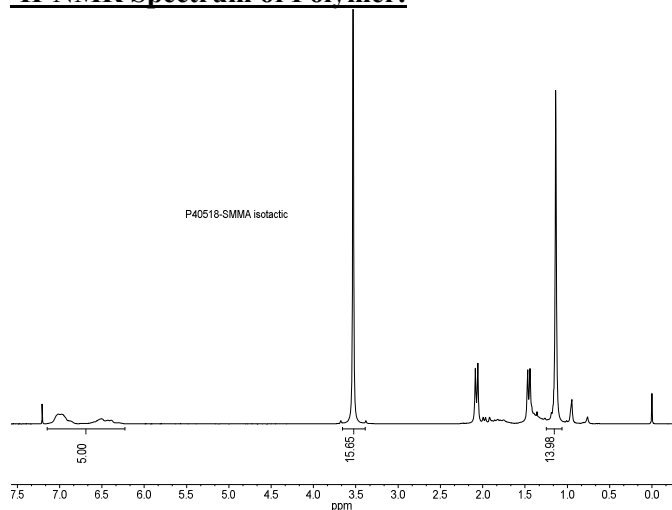
Synthesis Procedure:

Poly(styrene-b-methyl methacrylate) is prepared by living anionic polymerization with sequence addition of styrene followed by methyl methacrylate (MMA) in presence of dimethyl siloxy lithium salt as an additive.

Characterization:

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

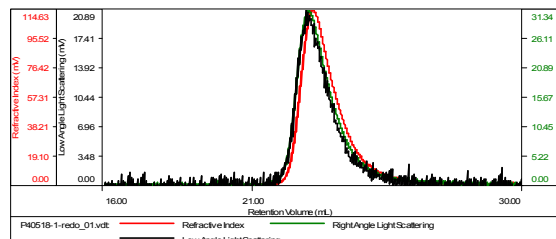
¹H-NMR Spectrum of Polymer:



SEC elugram of the Styrene block:

P40518-1-S

Concentration (mg/mL)	1.4886
Sample dn/dc (mL/g)	0.1860
Method File	PS80K-FetSD17-0000.vcm
Column Set	3x PL 11134300
Solvent	THF

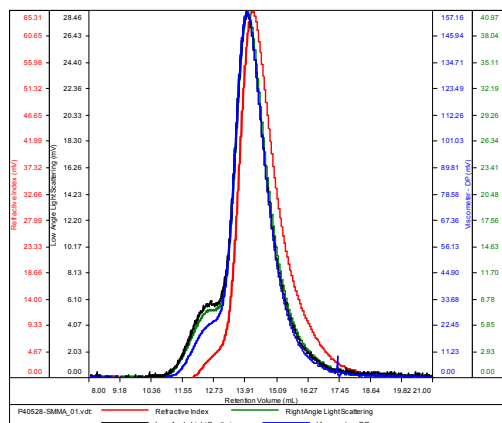


Sample	Mn (Da)	Mw (Da)	Mw/Mn	IV (dL/g)	MP (Da)
P40518-1-redo_01.vdt	18,578	19,037	1.025	1.0000	18,758

SEC elugram of the Sample:

P40518-SMMA iso

Conc	7.9837
dn/dc	0.0900
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS80K-March2017-0002.vcm



Sample	Mn	Mw	MP	Mw/Mn	IV
P40528-SMMA_01.vdt	111,544	136,413	128,830	1.223	0.3605

Thermograms for the sample:

Sample: P40518-SMMAiso
Size: 6.0000 mg

File: P40518.001

