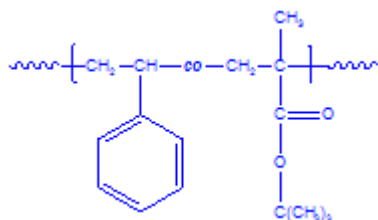


Sample Name:

Random Copolymer Poly(styrene-co-t-butyl methacrylate)

Sample #: **P16314A-StBuMAran**

Structure:



Composition:

Mn x 10 ³ PS-co-PtBuMA	PDI
48.0	1.13
PS: PtBuMA (mol ratio)	51:49

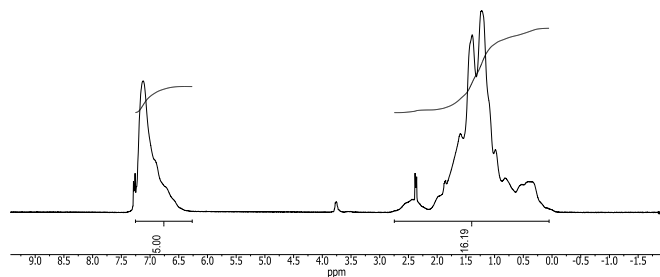
Synthesis Procedure:

Random Copolymer poly (styrene-co-t-butyl methacrylate) is prepared by control radical polymerization of styrene and t-butyl methacrylate.

Characterization:

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

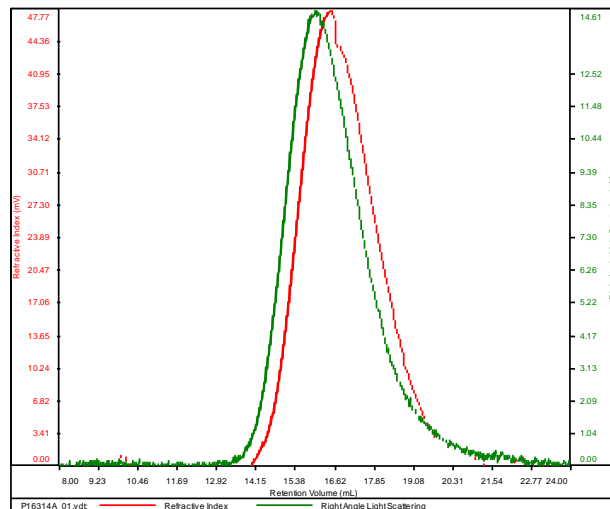
¹H-NMR Spectrum of the random copolymer:



SEC of the random copolymer:

P16314A

Conc	4.0973
dn/dc	0.1200
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS80K_2018-02-22-0000.vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
P16314A_01.vdt	48,209	54,239	47,710	1.125	0.2934