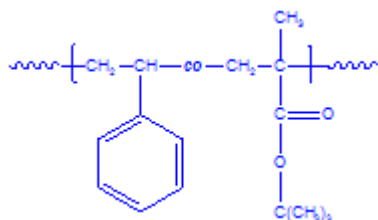


Sample Name:

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

Sample #: **P16314C-StBuMAran**

Structure:



Composition:

Mn x 10 ³ PS-co-PtBuMA	PDI
25.0	1.31
PS: PtBuMA (mol ratio)	51:49

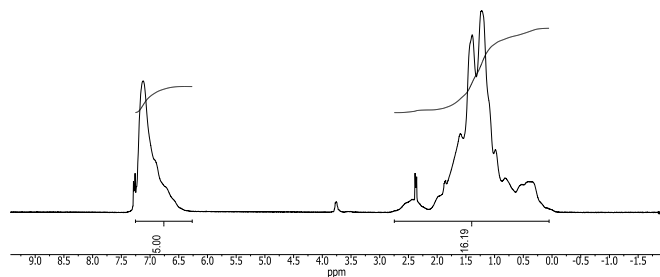
Synthesis Procedure:

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

Characterization:

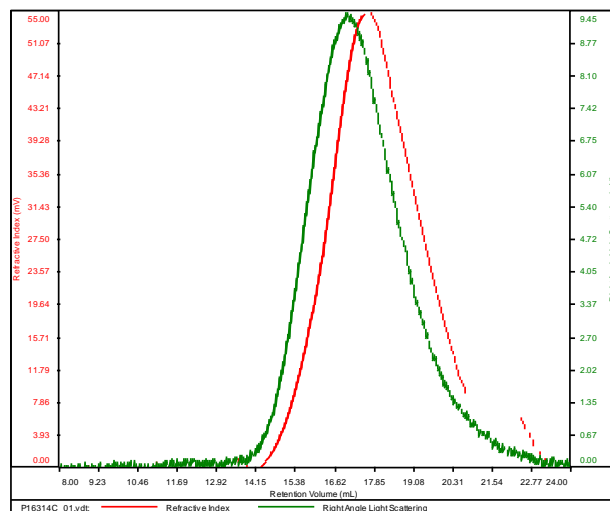
The product was characterized by size exclusion chromatography (SEC) and ¹H-NMR spectroscopy.

¹H-NMR Spectrum of the random copolymer:



SEC of the random copolymer:

Conc	6.0218
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
P16314C_01.vdt	25,148	33,026	26,012	1.313	0.1748