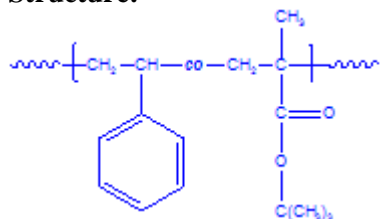


Sample Name: **Random Copolymer Poly(styrene-co-t-butyl methacrylate)**

Sample #: **P16315-StBuMAran**

**Structure:**



**Composition:**

PS (mol%) : 54

Mn x 10 <sup>3</sup> PS-co-PtBuMA	PDI
44.0	1.03

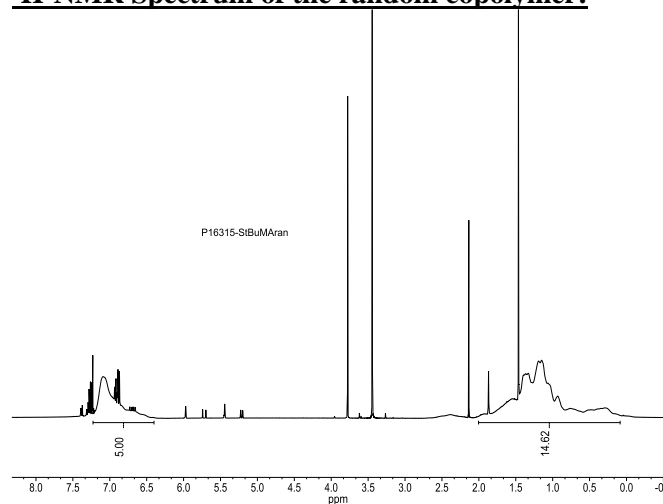
**Synthesis Procedure:**

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

**Characterization:**

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

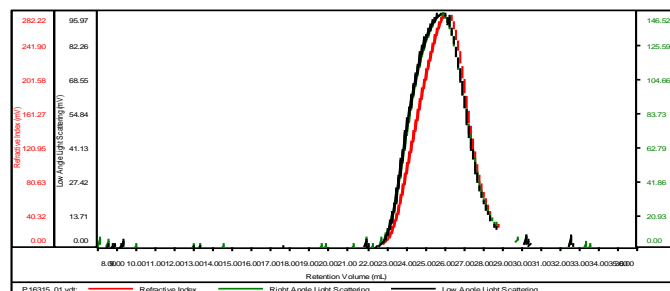
**<sup>1</sup>H-NMR Spectrum of the random copolymer:**



**SEC elugram of the random copolymer:**

**P16315-StBuMAran**

Concentration (mg/mL)	24.7898
Sample dn/dc (mL/g)	0.1650
Method File	PS80K-jan-2018-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mn (Da)	Mw (Da)	Mw/Mn	IV (dL/g)	Mp (Da)
P16315_01.vdt	43,977	45,254	1.029	0.3429	41,188