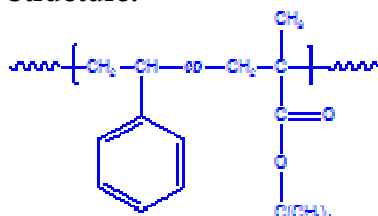


Sample Name:

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

Sample #: **P14772H-StBuMAran**

Structure:



Composition:

PS (mol%) : 97

| | |
|-----------------------------------|-----|
| $M_n \times 10^3$ PS-co-PtBuMA | PDI |
| 103.0 | 1.3 |

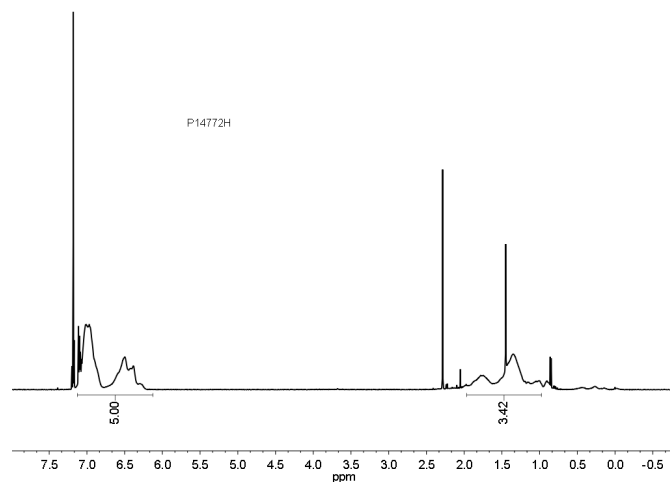
Synthesis Procedure:

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

Characterization:

By size exclusion chromatography (SEC) and by ^1H -NMR spectroscopy .

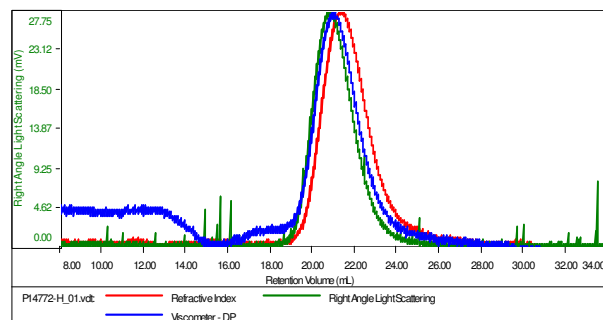
^1H -NMR Spectrum of the random copolymer:



SEC of the random copolymer:

Sample ID: **P14472H-StBuMAran**

| | |
|-----------------------|---------------------------|
| Concentration (mg/mL) | 0.1422 |
| Sample ch/dc (mL/g) | 0.1850 |
| Method File | PS80KJuly11-2014-0000.vcm |
| Column Set | 3x PL 1113-6300 |
| Solvent | THF |



| Sample | Mh | Mw | Mp | Mw/Mh | IV |
|----------------|---------|---------|---------|-------|--------|
| P14772H_01.vcl | 102,761 | 137,442 | 131,759 | 1.337 | 3.9802 |

