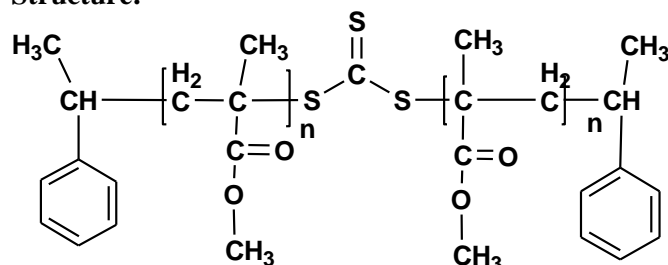


Sample Name: Trithiocarbonate RAFT moiety in the center of Poly methylmethacrylate chains

Sample #: P16295B-MMA-RAFT-MMA

Structure:

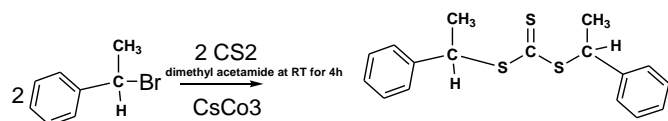


Composition:

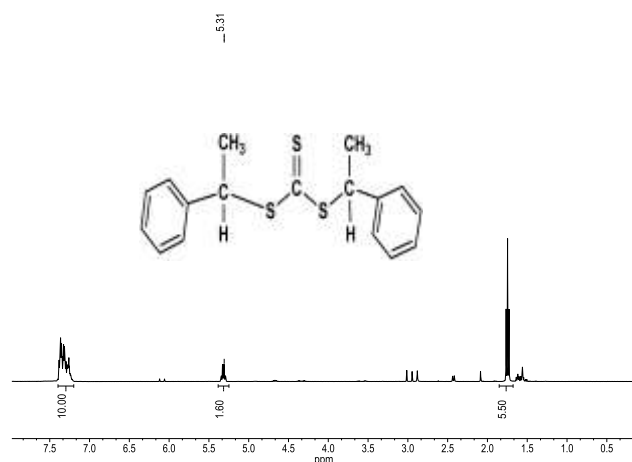
Mn x 10 ³	PDI
47.0	3.0

Synthesis Procedure:

The polymer is prepared By RAFT polymerization process using following RAFT reagent:



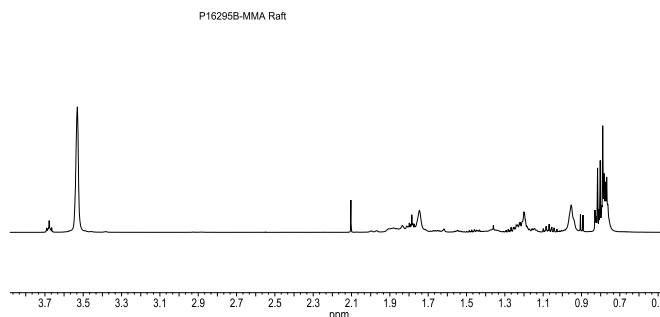
¹H NMR of the RAFT reagent:



Characterization:

The molecular weight and polydispersity index (PDI) of the polymer are obtained by size exclusion chromatography (SEC), and ¹H NMR analysis.

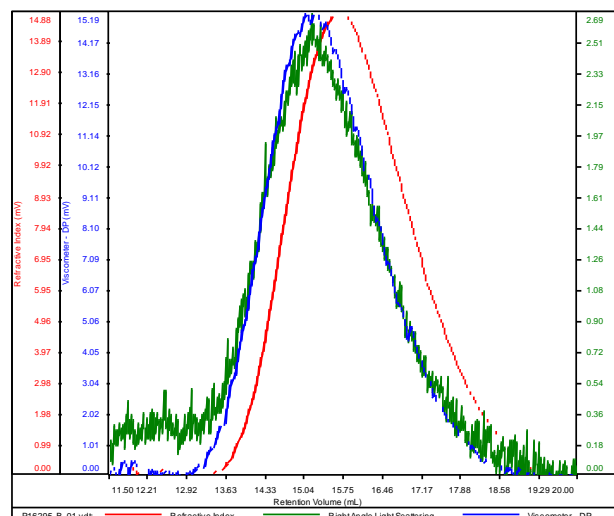
¹H NMR spectrum of the Polymer:



SEC elugram of the polymer:

P16295B-MMARAF

Conc	2.6330
dn/dc	0.0650
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS80k_2017-11-07-0000.vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
P16295-B_01.vdt	47,042	140,255	45,917	2.981	9.9361