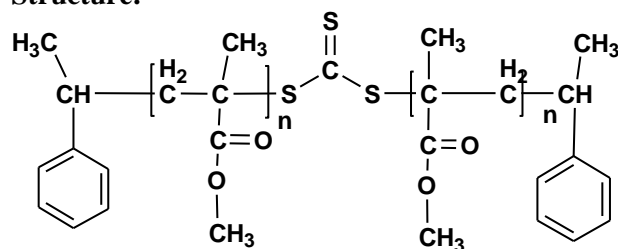


Sample Name: Trithiocarbonate RAFT moiety in the center of Poly methylmethacrylate chains

Sample #: P16295C-MMA-RAFT-MMA

Structure:

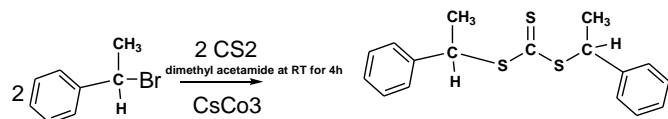


Composition:

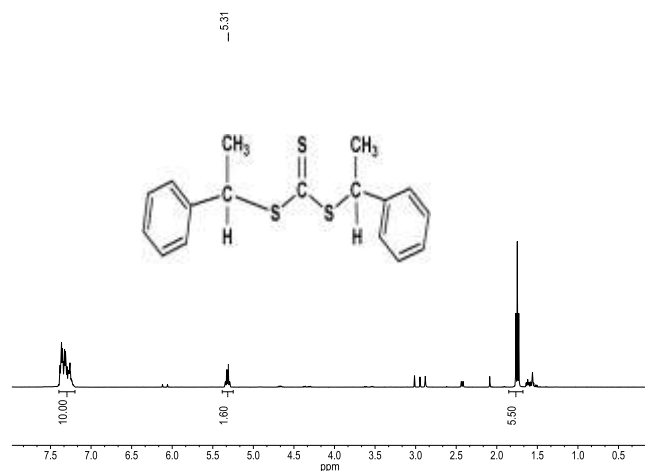
$M_n \times 10^3$	PDI
13.0	1.27

Synthesis Procedure:

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



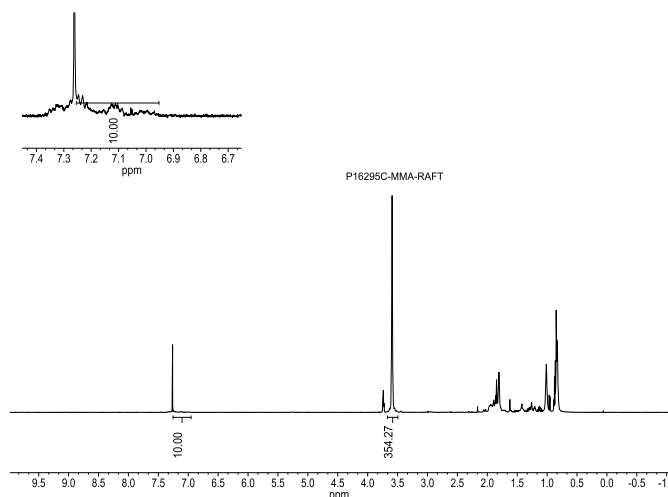
^1H NMR of the RAFT reagent:



Characterization:

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

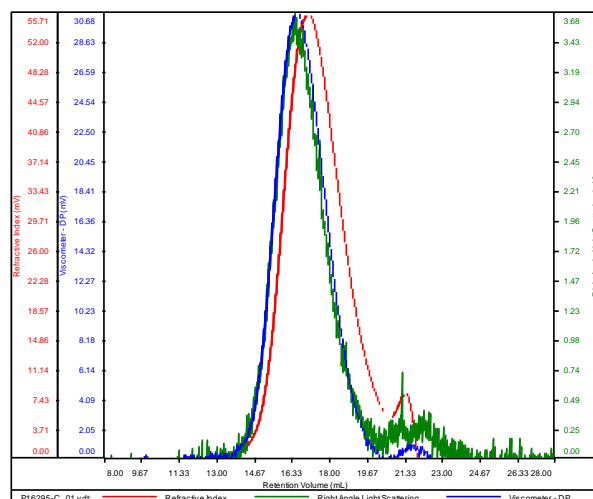
^1H NMR spectrum of the Polymer:



SEC elugram of the polymer:

P16295C-MMARAF

Conc	11.0350
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
P16295C_01.vdt	13,426	17,078	16,591	1.272	4.5007