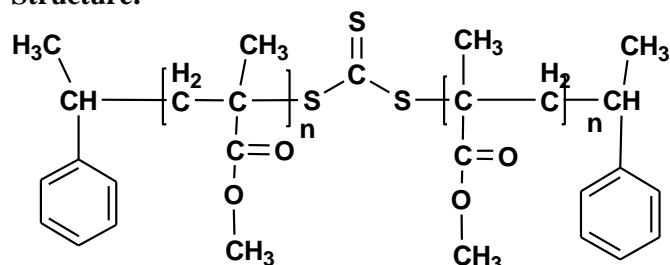


Sample Name: Trithiocarbonate RAFT moiety in the center of Poly methylmethacrylate chains

Sample #: P16295A-MMA-RAFT-MMA

Structure:

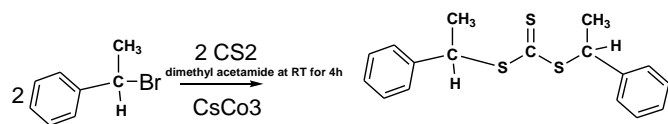


Composition:

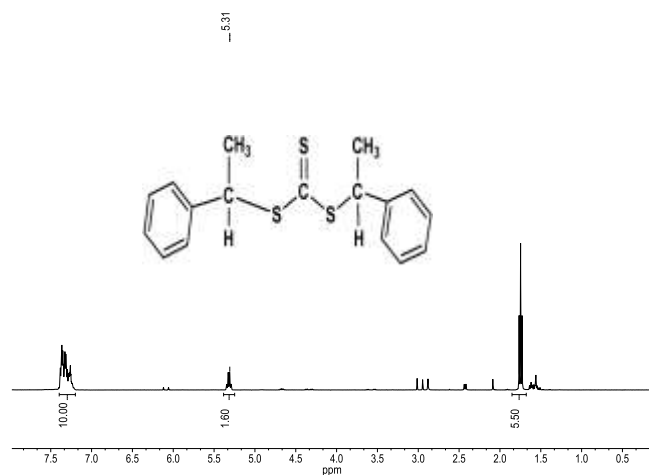
Mn x 10 ³	PDI
70.0	1.24

Synthesis Procedure:

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



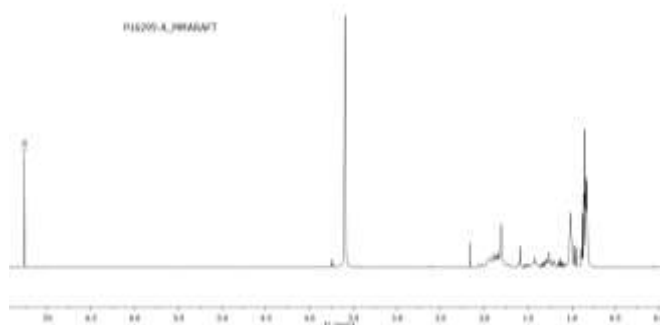
¹H NMR of the RAFT reagent:



Characterization:

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

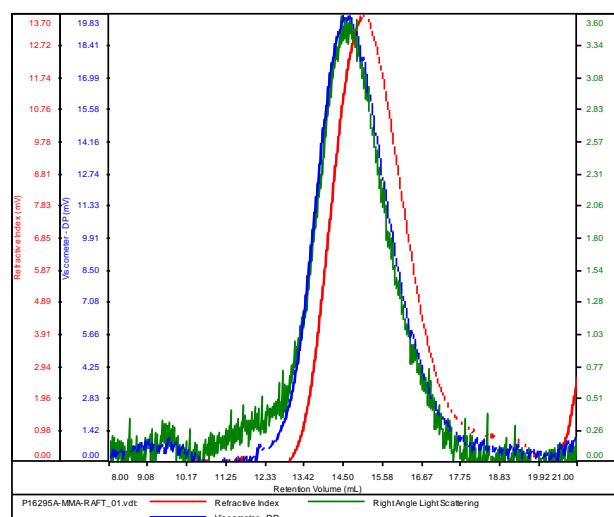
¹H NMR spectrum of the Polymer:



SEC elugram of the polymer:

P16295A-MMARAF

Conc	2.1178
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
P16295A-MMA-RAFT_01.vdt	69,965	86,933	74,899	1.243	14.0714