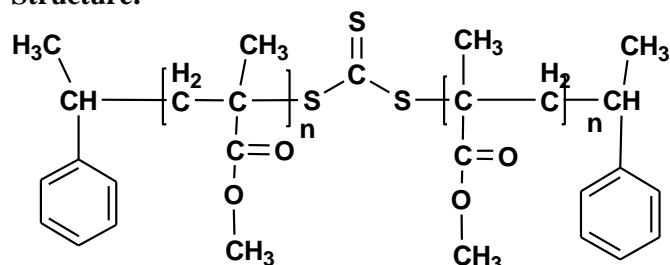


Sample Name: Trithiocarbonate RAFT moiety in the center of Poly methylmethacrylate chains

Sample #: P16295D-MMA-RAFT-MMA

Structure:

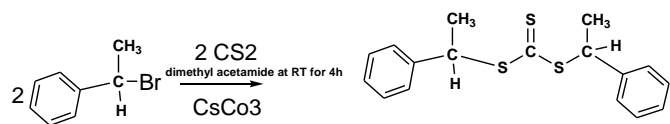


Composition:

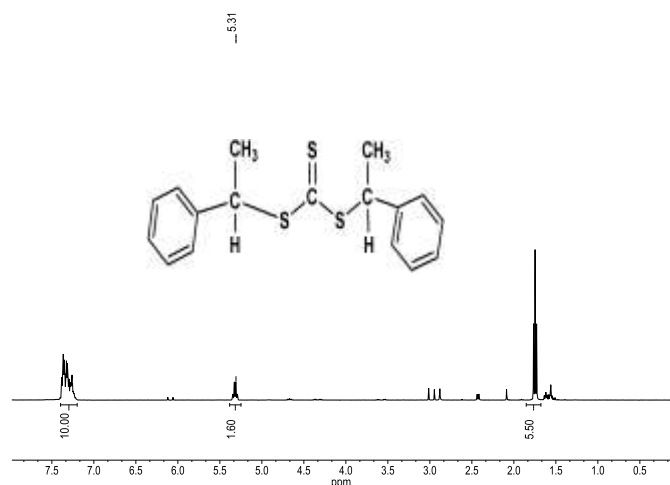
Mn x 10 ³	PDI
36.0	1.24

Synthesis Procedure:

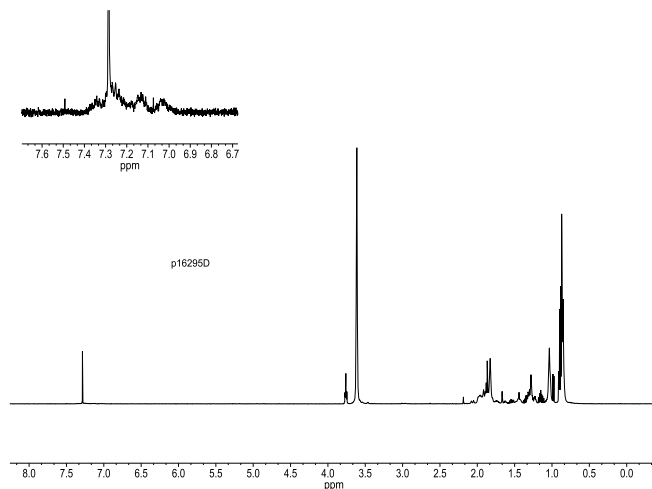
The polymer is prepared By RAFT polymerization process using following RAFT reagent:



¹H NMR of the RAFT reagent:



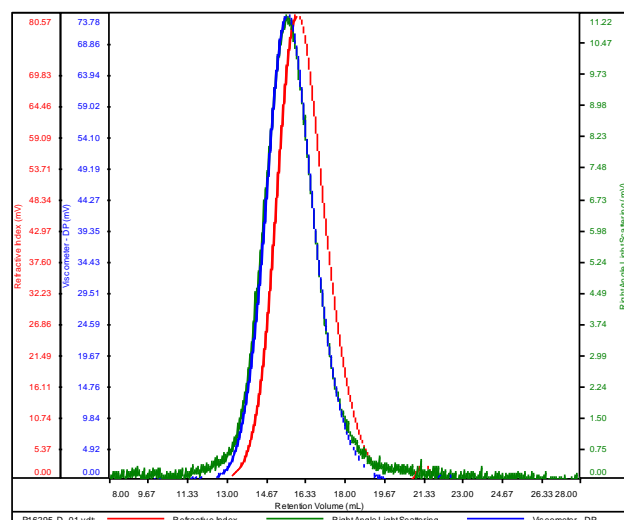
¹H NMR spectrum of the Polymer:



SEC elugram of the polymer:

P16295D-MMARAF

Conc	13.4323
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-D_01.vdt	36,374	45,432	39,104	1.249	7.5143

Characterization:

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