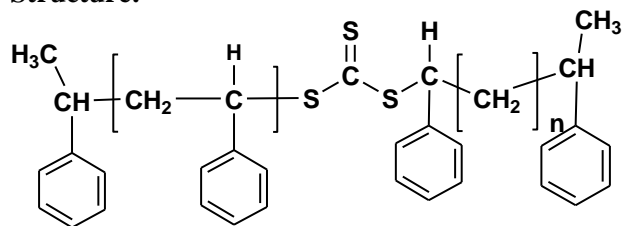


Sample Name: Trithiocarbonate RAFT moiety in the center of Poly styrene chains

Sample #: P16296-S-RAFT-S

Structure:

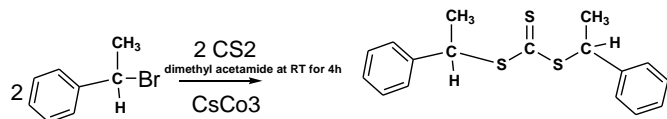


Composition:

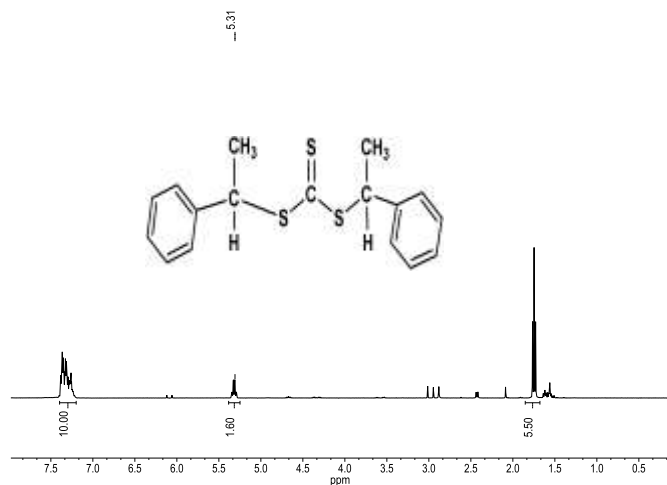
Mn x 10 ³	PDI
7.0	1.04

Synthesis Procedure:

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



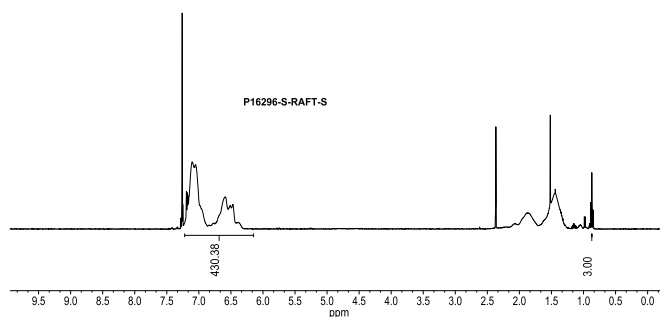
¹H NMR of the RAFT reagent:



Characterization:

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

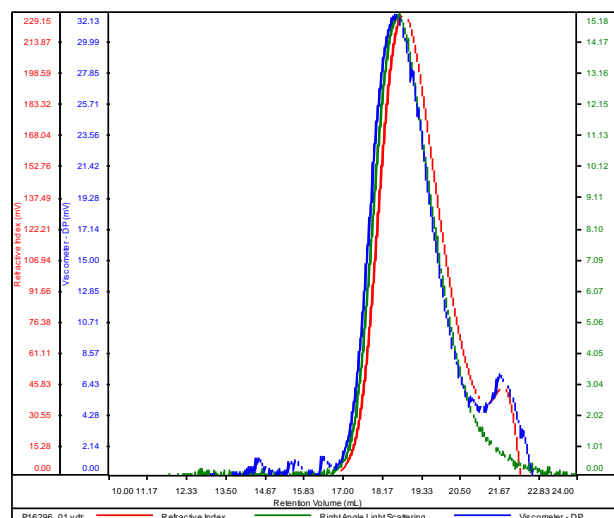
¹H NMR spectrum of the Polymer:



SEC elugram of the polymer:

P16296-S

Conc	12.8275
dn/dc	0.1650
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS80k_2017-11-07-0000.vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
P16296_01.vdt	7,334	7,613	7,641	1.038	14.1232