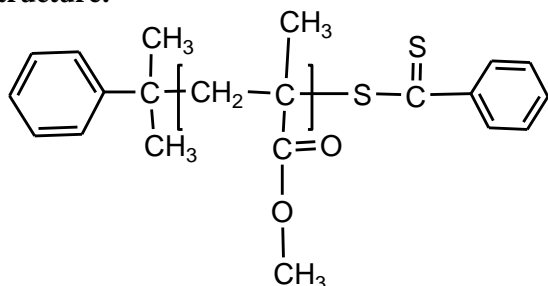


Sample Name: α -Cumyl- ω -dithiobenzoate – terminated Poly (methylmethacrylate)

Sample #: P13057-MMA-RAFT

Structure:

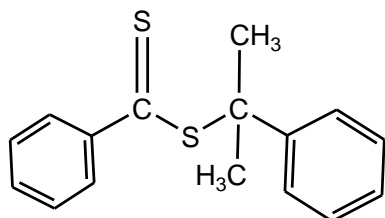


Composition:

$M_n \times 10^3$	6.5
PDI	1.08
RAFT functionality (by NMR)	>95%

Synthesis Procedure:

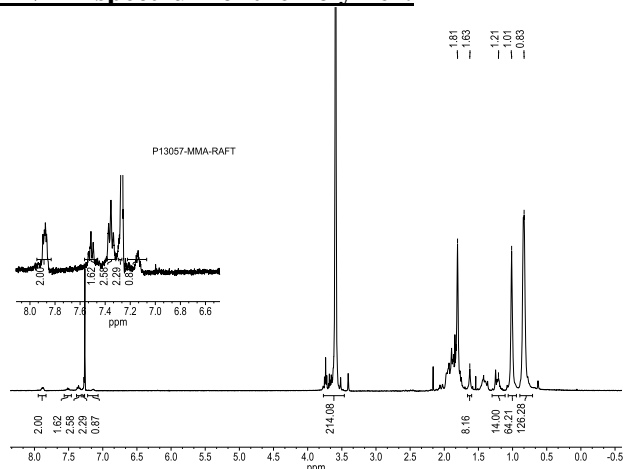
The polymer is synthesized using following RAFT reagent:



Characterization:

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

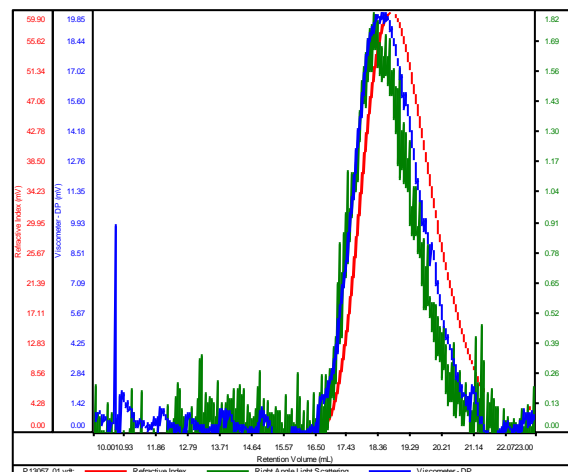
^1H NMR spectrum of the Polymer:



SEC elugram Of the Polymer:

P13057-MMAR AFT

Conc	17.0138
dn/dc	0.0650
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS-80k_2017-September-22-0000.vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
P13057_01.vdt	6,488	7,007	7,895	1.080	0.0316