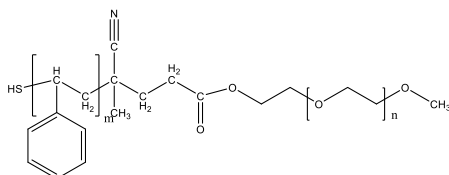


Sample Name: α -Methoxy- ω -thiol terminated Poly (ethylene oxide-b-Styrene)

Sample #: P42835A-EG-S-SH

Structure:

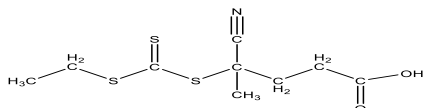


Composition:

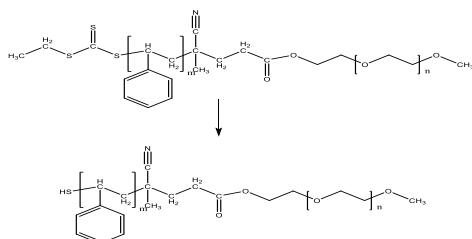
Mn x 10 ³ EG-b-S	Mw/Mn (PDI)
2.0-b-48.0	1.09

Synthesis Procedure:

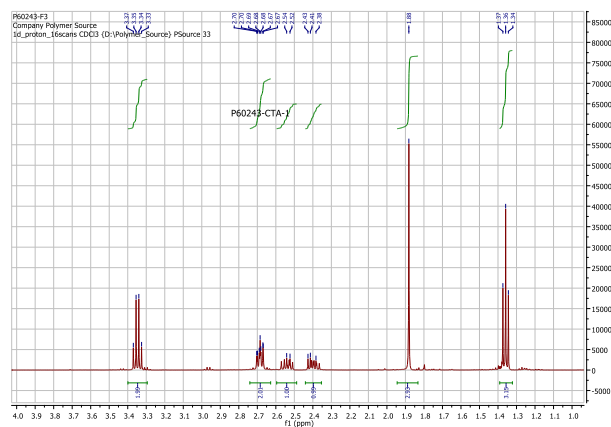
The polymer was synthesized by RAFT polymerization process using following RAFT reagent:



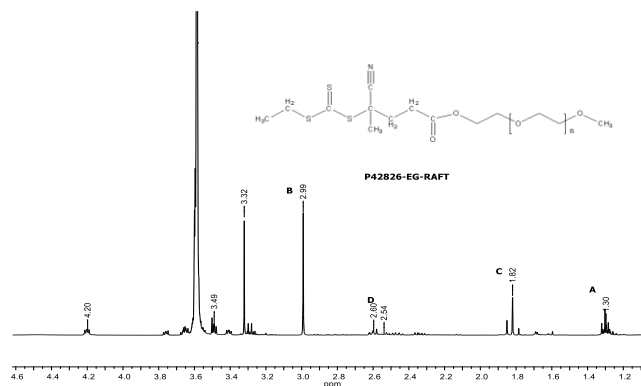
Lot#: P60243



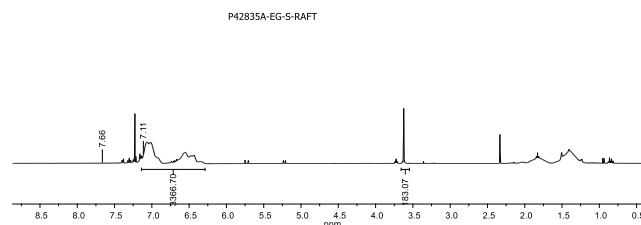
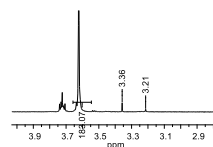
¹H NMR (400 MHz, CDCl₃) spectrum of RAFT:



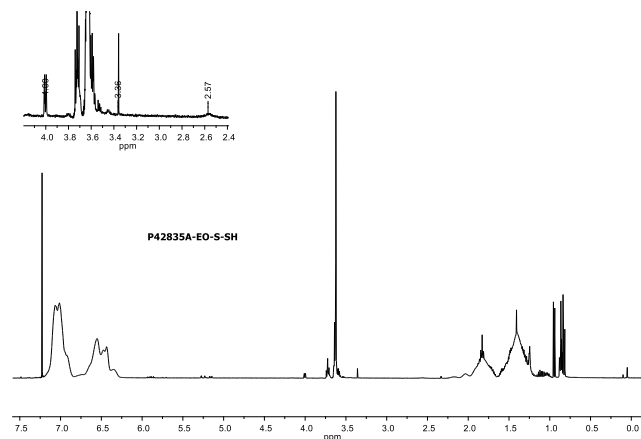
¹H-NMR (400 MHz, CDCl₃) spectrum of the EG-RAFT:



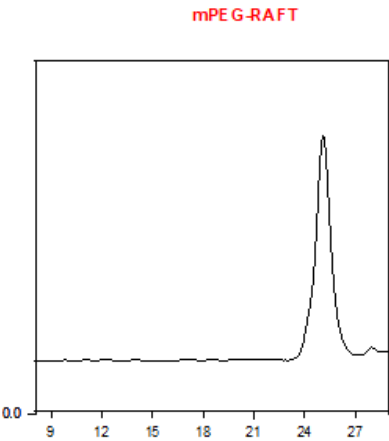
¹H-NMR (400 MHz, CDCl₃) spectrum of the EG-b-S RAFT:



¹H-NMR (400 MHz, CDCl₃) spectrum of the EG-b-S-SH:

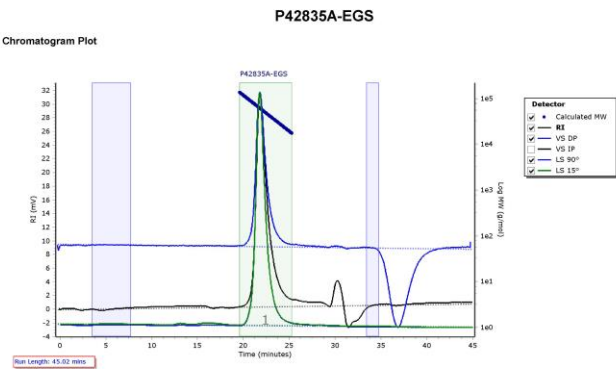


SEC elugram of m-PEG-RAFT:



Size exclusion chromatography of the polymer: $M_n = 2,000$, $PI = 1.13$

SEC elugram of the Sample:



Molecular Weight Averages							
Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	61237	49999	54933	59010	62583	58384	1.099