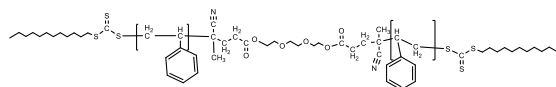


Sample Name:
Poly(styrene-b-ethylene oxide-b-styrene))

Sample #: P43966-SEOS

Structure:



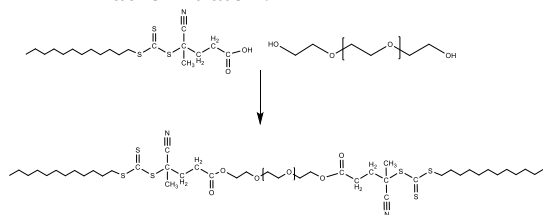
Composition:

Mn x 10 ³ S-b-EO-b-S	PDI
14.0-b-10.0-b-14.0	1.3

Synthesis Procedure:

The polymer was synthesized by RAFT polymerization process.

RAFT macroinitiator :



Characterization:

The product was characterized by size exclusion chromatography (SEC) and ¹H NMR data analysis.

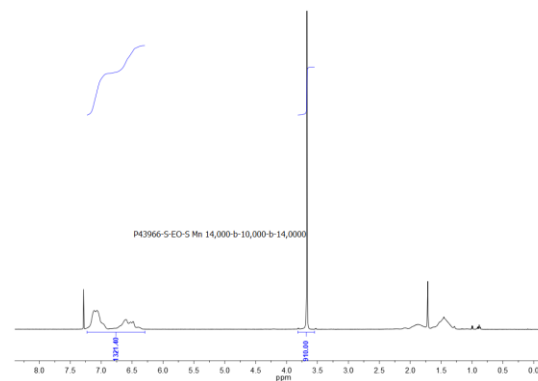
Solubility:

The polymer is soluble in THF, toluene, and CHCl₃. The triblock copolymer can also be solubilized in methanol, ethanol depending on its composition. The polymer readily precipitates from hexanes, ether and water.

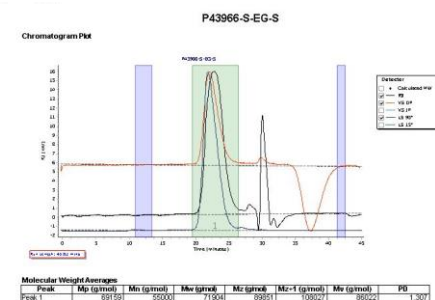
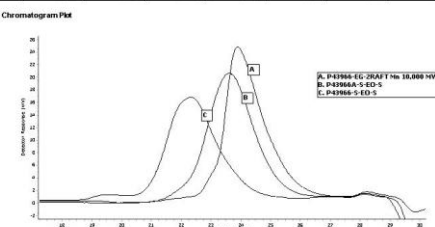
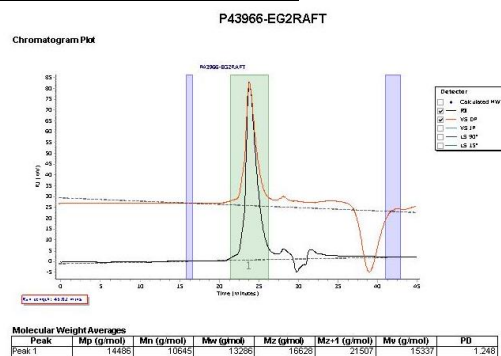
Purification of the polymer to remove unlinked fraction:

Product was purified by solvent-non solvent technique followed by SEC.

¹H-NMR Spectrum of the product:



SEC elugram of the polymer:



References:

1. S.K. Varshney, Xing Fu. Zhong, P. Kesani, N.Varshney
 "Architecturally control polymers from Academia to the Industry"
 ACS-Symposium, Orlando, August, 1996.