

Sample Name: Poly (styrene-b-ethylene oxide-b-4-Hydroxy styrene)

Sample #: P41629A-SEO4OHS

Structure:



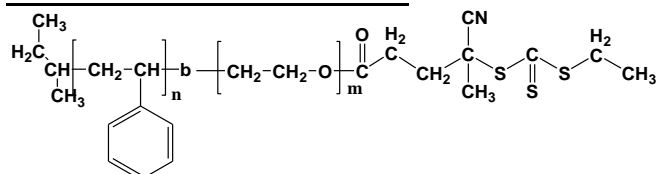
Composition:

Mn x 10 ³ S-b-EO-b-4OHS	PDI
12.0-b-6.0-b-6.0	1.19

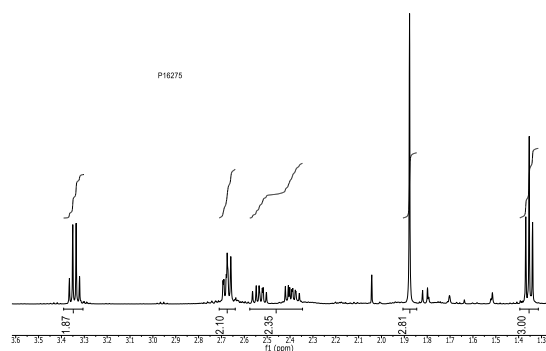
Synthesis Procedure:

The polymer was prepared by combination of anionic and RAFT polymerization process.

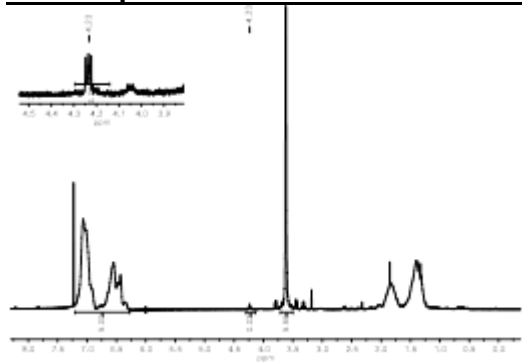
RAFT macroinitiator structure:



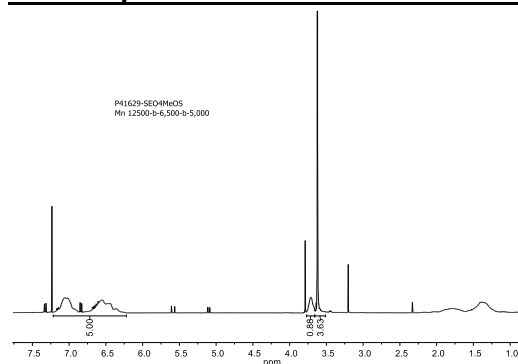
¹H NMR spectrum of the RAFT macroinitiator:



HNMR spectrum of SEO-terminated with RAFT

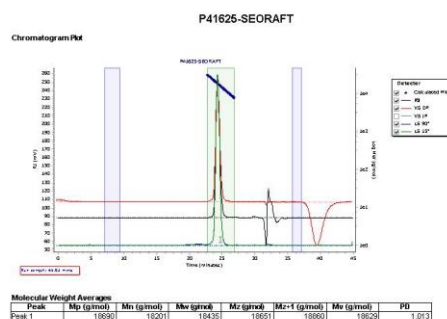


HNMR spectrum of SEO4OHS in CdCl3:



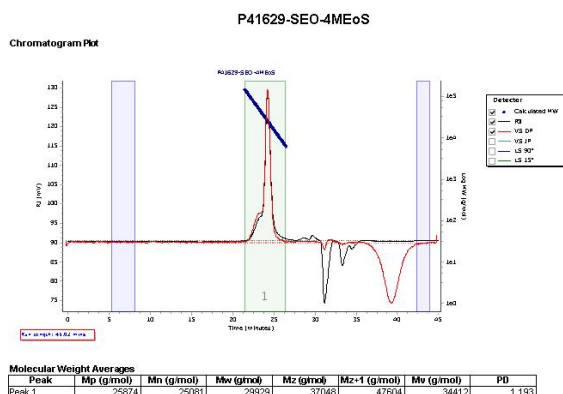
SEC elugram of SEO-terminated with RAFT: Lot P41625

Agilent GPC/SEC Software



SEC elugram of the SEO4MeOs Sample:

Agilent GPC/SEC Software



Solubility in different solvents:

Methanol: Fine crystal formed
Acetone: Fine crystal formed
THF: Fine crystal formed
Water: insoluble
DMSO: opaque solution by heating solution