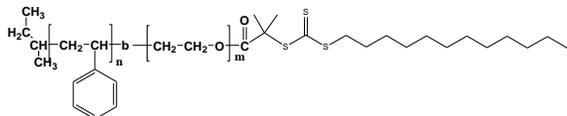


Sample Name: Poly(styrene)-b-poly(ethylene oxide), ω-RAFT-terminated diblock copolymer

Sample #: P43236-SEO-RAFT

Structure:



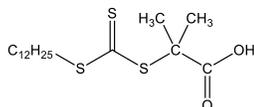
Composition:

Mn x 10 ³ S-b-EO	12.5-b-6.5
PDI	1.01
RAFT functionality by HNMR	> 98 %

Synthesis:

SEO (OH) end group esterifies with RAFT reagent.

RAFT reagent Structure:



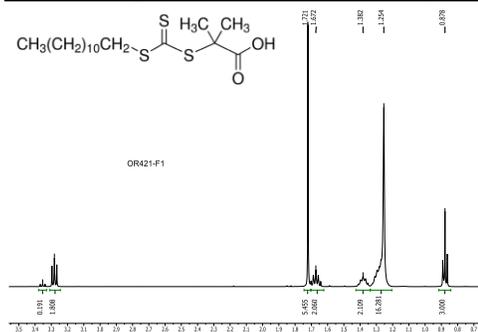
Chemical Formula: C₁₇H₃₂O₂S₃
Molecular Weight: 364.6

M.p.:	57–63°C
Storage temperature:	2–8°C
Purity:	> 95 %

RAFT reagent Characterization:

The chemical structure of the product was confirmed by ¹H NMR.

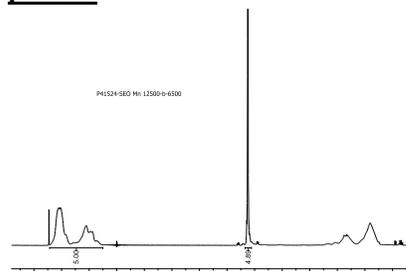
¹H NMR spectrum of the Raft reagent:



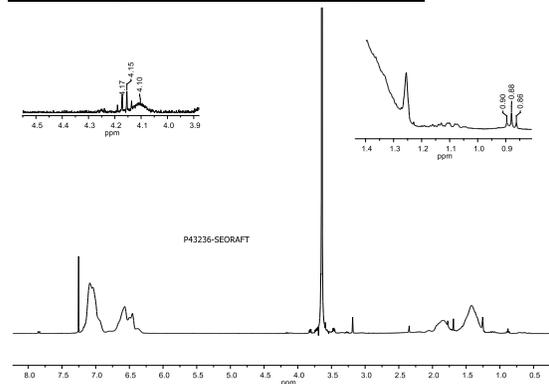
Characterization:

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

¹H NMR spectrum of the used SEO sample: Lot# p41524

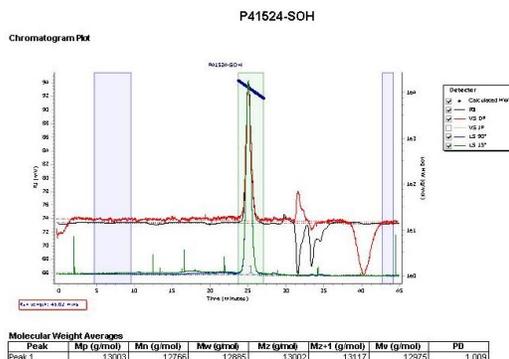


HNMR spectrum of the Polymer:



SEC profile of the SOH Sample:

Agilent GPC/SEC Software



SEC profile of the Sample:

