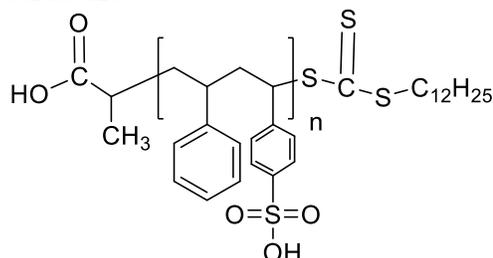


Sample Name:
POLY(STYRENE-CO-4-STYRENE SULFONIC ACID)-RAFT-agent terminated

Sample #: **P42549A-SSSO3Hran**

Structure:

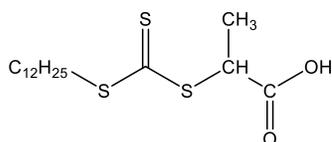


Composition:

Mn × 10 ³	PDI
17.0	1.06
Sulfonation	7%

Synthesis Procedure:

The polymer is prepared by RAFT polymerization process using following RAFT reagent:

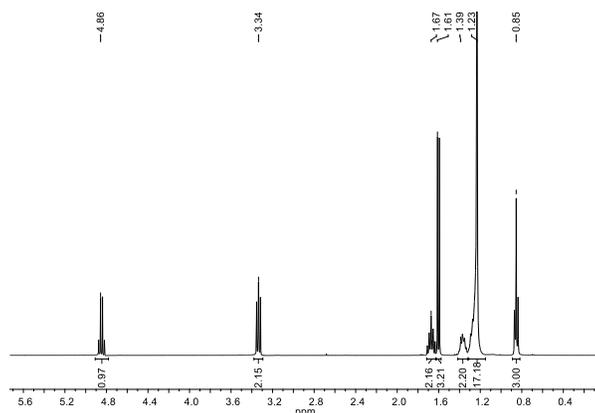


Chemical Formula: C₁₆H₃₀O₂S₃
Molecular Weight: 350.59

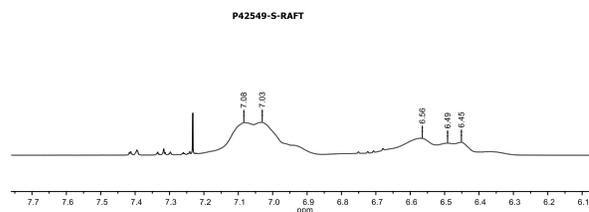
Characterization:

The molecular weight and polydispersity index (PDI) of the polymer are obtained by size exclusion chromatography (SEC) in THF as eluent.

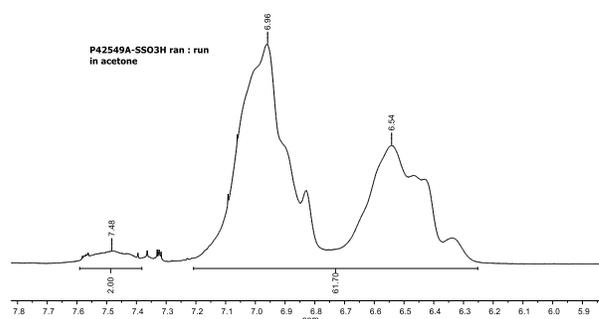
¹H-NMR spectrum of the RAFT (CDCl₃):



¹H-NMR spectrum of the P42549-S-RAFT:

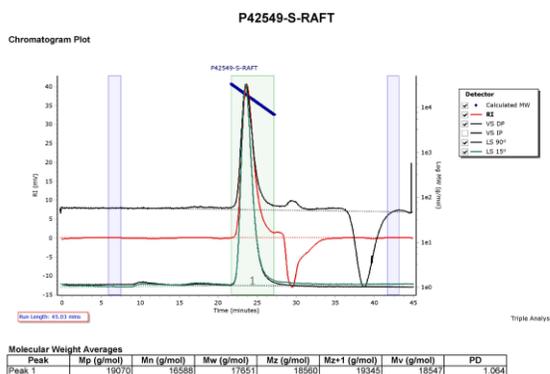


¹H-NMR spectrum of the P42549A-SSSO3Hran run in acetone:



SEC elugram of the Sample:

Agilent GPC/SEC Software



% sulfonation: 7%