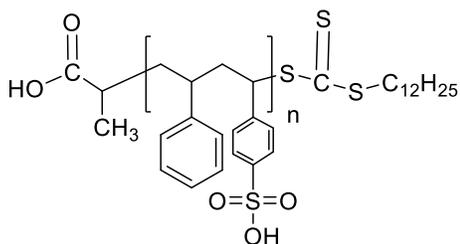


Sample Name:

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

Sample #: **P42596B-SSSO3Hran**

Structure:

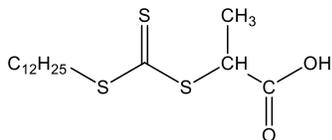


Composition:

Mn × 10 ³	PDI
39.5	1.03
Sulfonation	36%

Synthesis Procedure:

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



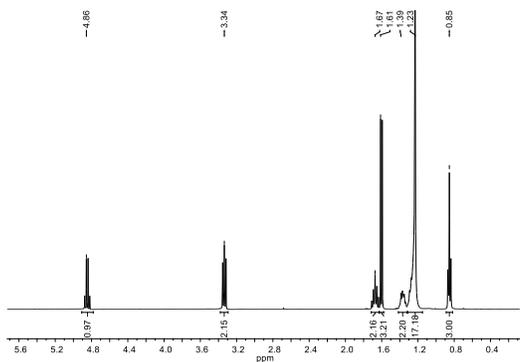
Chemical Formula: C₁₆H₃₀O₂S₃

Molecular Weight: 350.59

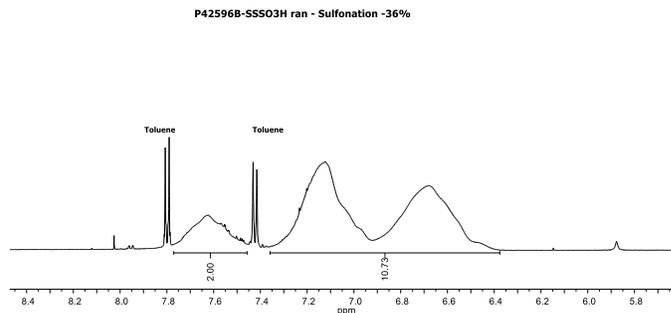
Characterization:

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):

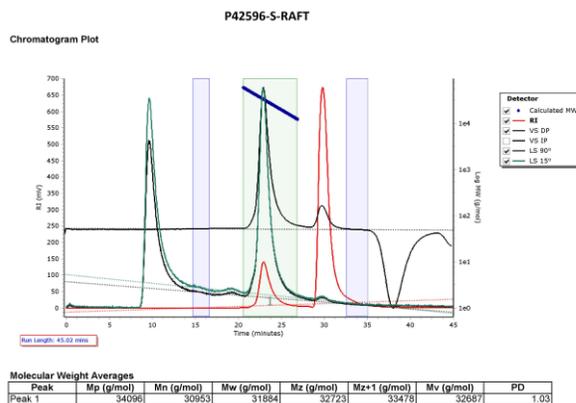


¹H-NMR spectrum of the sample:



SEC elugram of the Sample:

Agilent GPC/SEC Software



% sulfonation: 36% Mn: 39,500