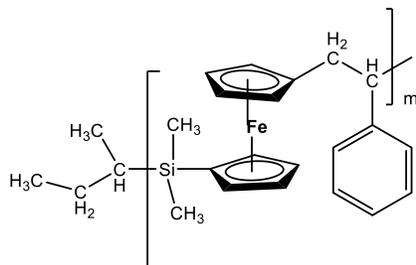


Sample Name:  
**Poly(ferrocenyldimethylsilane-b-styrene)**

Sample #: **P43635A-FES-S**

Structure:



Composition:

Mn × 10 <sup>3</sup> FES-S	Mw/Mn (PDI)
10.5-b-19.0	1.5

T <sub>g</sub> for PS block: 106°C T <sub>g</sub> for FES block: 21°C
--

**Synthesis Procedure:**

Poly(ferrocenyldimethylsilane-b-styrene) is prepared by anionic living polymerization by successive addition of ferrocenyldimethylsilane monomer followed by styrene.

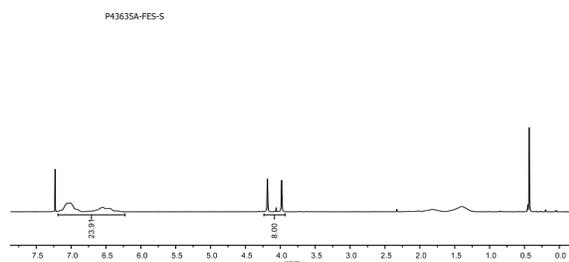
**Characterization:**

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

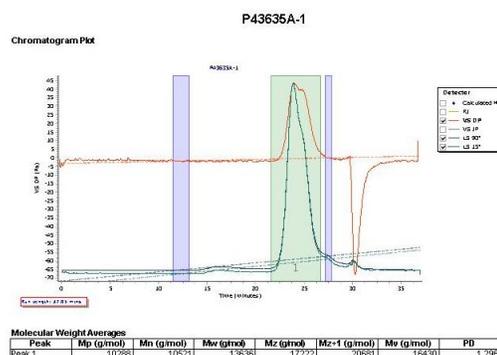
**Solubility:**

Polymer is soluble in THF, CHCl<sub>3</sub>, Toluene and precipitate out from ether and hexanes.

**<sup>1</sup>H NMR spectrum of the sample:**



**SEC elugram of the First block:**



**SEC profile of the block copolymer:**

