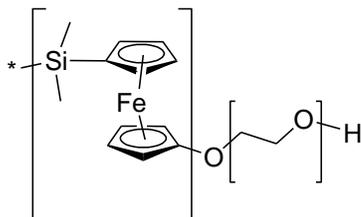


**Sample Name:**

**Poly(ferrocenyl dimethylsilane)-b-poly(ethylene oxide)**

**Sample #: P42197PP-FESEO**

**Structure:**



**Composition:**

Mn × 10 <sup>3</sup> FES-b-EO	Mw/Mn (PDI)
4.0-b-5.5	1.13

**Synthetic Procedure:**

Poly(ferrocenyldimethylsilane-b-ethylene oxide) is prepared by anionic living polymerization by successive addition of ferrocenyldimethylsilane and EO.

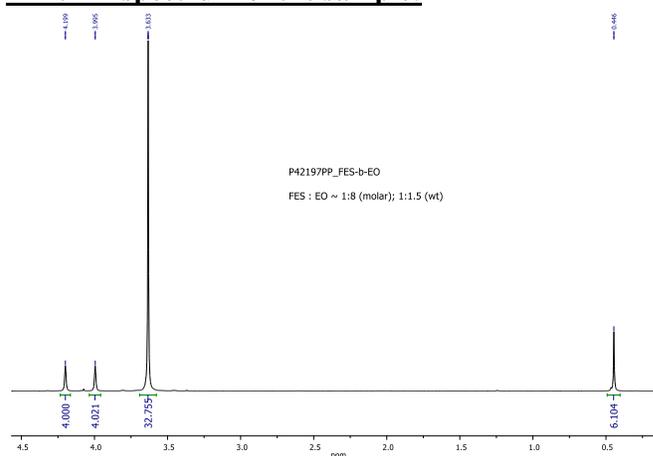
**Characterization:**

The product was analyzed by size exclusion chromatography (SEC) to obtain the molecular weight and polydispersity index (PDI). The final block copolymer composition was calculated from 1H-NMR spectroscopy.

**Solubility:**

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

**1H NMR spectrum of the sample:**



**SEC profile of the block copolymer:**

