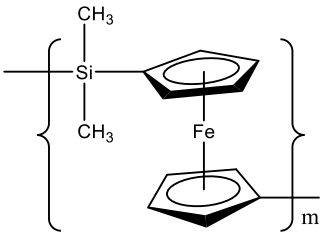
Sample Name: **Poly(ferrocenyl dimethylsilane)**

Sample #: **P43639B-FES**

Structure:



Composition:

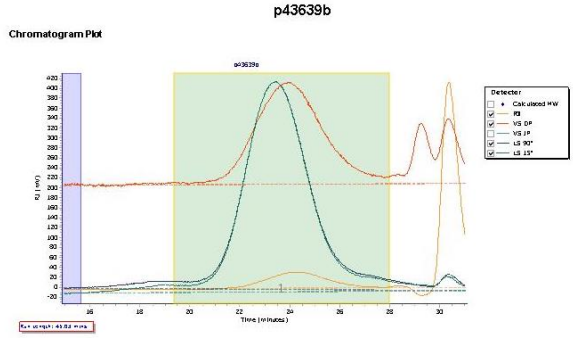
$M_n \times 10^3$ (g/mol)	M_w/M_n
18.5	1.5

Synthesis Procedure:
Poly(ferrocenyl dimethylsilane) was synthesized by thermal ring opening (ROP) polymerization of 1,1-ferrocenyldimethylsilane monomer.

Characterization:
The molecular weight and polydispersity were determined by size exclusion chromatography (SEC). Glass transition temperature of the product was measured by DSC under nitrogen atmosphere shortly after creating thermal history.

Solubility:
Polymer is soluble in THF, chloroform, toluene; and it precipitates from ether and hexanes.

SEC chromatogram:



Molecular Weight Averages

Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	24546	18383	28218	39937	52065	37511	1.535