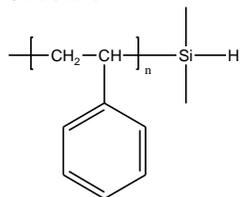


**Sample Name:**  
**Dimethyl Silane Terminated Polystyrene**

**Sample #:** P4226-SSiH

**Structure:**

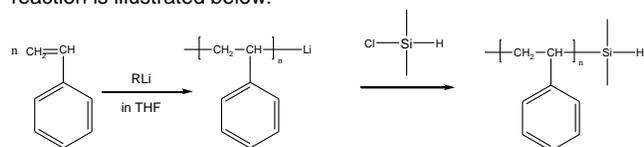


**Composition:**

Mn x 10 <sup>3</sup>	PDI
28.0	1.05

**Synthesis Procedure:**

Dimethyl Chlorosilane Terminated Polystyrene was prepared by anionic living polymerization of styrene in THF and termination with a large excess of dimethyl dichlorosilane. The scheme of the reaction is illustrated below:

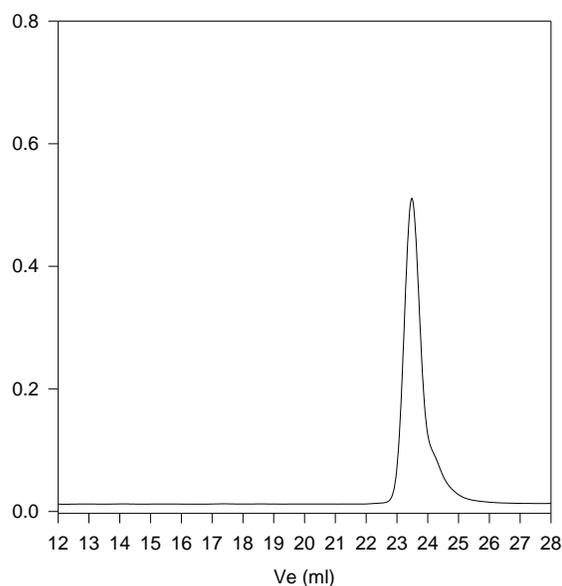


**Characterization:**

The molecular weight and polydispersity index of this polymer were determined before functionalization with silane by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

**SEC of Sample:**

**P4226-SSiH**



Polystyrene silane terminated, M<sub>n</sub>=28000, M<sub>w</sub>=29500 PI=1.05

