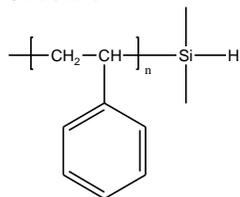


**Sample Name:**  
**Dimethyl Silane Terminated Polystyrene**

**Sample #:** P1488-SSiH

**Structure:**

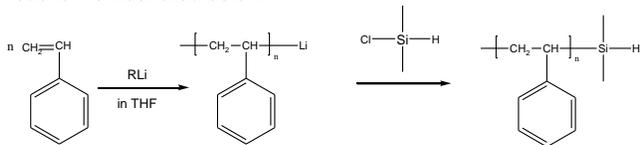


**Composition:**

| Mn x 10 <sup>3</sup> | PDI  |
|----------------------|------|
| 12.0                 | 1.02 |

**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:

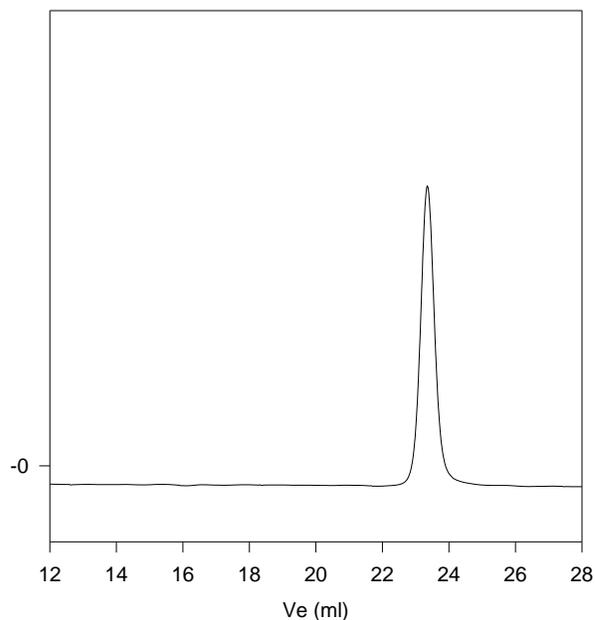


**Characterization:**

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:**

**P1488-SiH**



Size exclusion chromatography of silane Terminated polystyrene:  
 $M_n=12000$ ,  $M_w=12300$ ,  $M_z=12600$ ,  $PI=1.02$ , functionality>0.95

