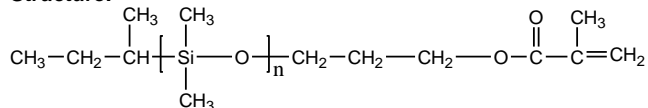


**Sample Name:**  
**Methacrylate Terminated Polydimethylsiloxane**

**Sample #:** P8368-DMSMA

**Structure:**

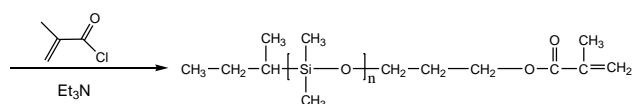
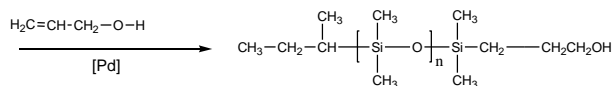
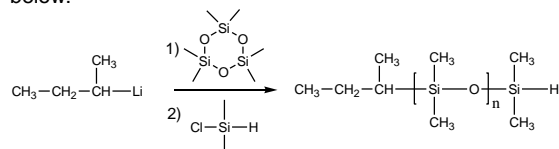


**Composition:**

Mn x 10 <sup>3</sup>	PDI
5.0	1.06

**Synthesis Procedure:**

Methacrylate terminated poly(dimethyl siloxane) was prepared by living anionic polymerization of hexamethylcyclotrisiloxane(D3) followed by hydrosilation with allyl alcohol and esterification with the methacryl-moiety. The scheme of the reaction is illustrated below:

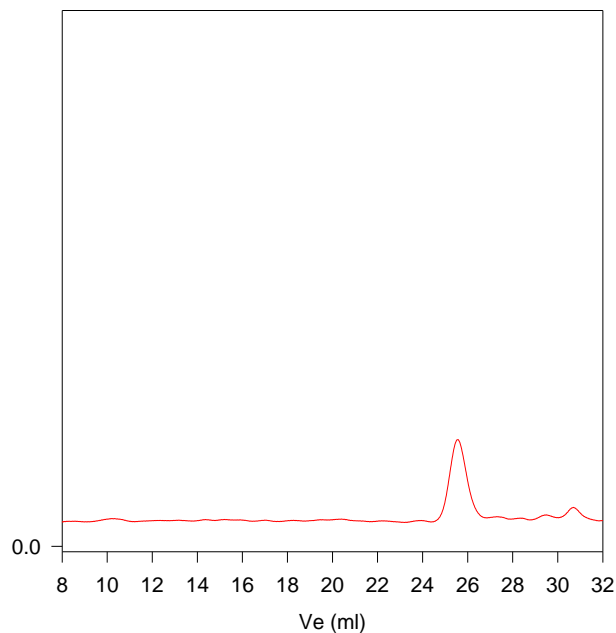


**Characterization:**

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

**SEC of Sample:**

**P8368-DMSMA**



Size Exclusion Chromatography in THF at 35 °C w.r.t PDMS standards.

M<sub>n</sub> = 5000, M<sub>w</sub> = 5300, PI = 1.06 "f" > 95%

**H NMR of the polymer:**

