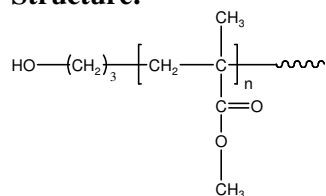


**Sample Name:** Hydroxy Terminated Poly(methyl methacrylate)

**Sample #:** P2595-MMAOH

**Structure:**

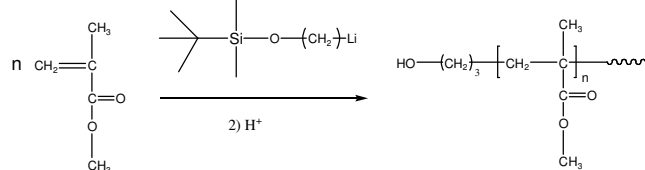


**Composition:**

Mn x 10 <sup>3</sup>	PDI
4.0	1.11

**Synthesis Procedure:**

Hydroxyl terminated poly(methyl methacrylate) was synthesized by living anionic polymerization using a hydroxyl protected initiator. The scheme of the reaction is illustrated below:



**Characterization:**

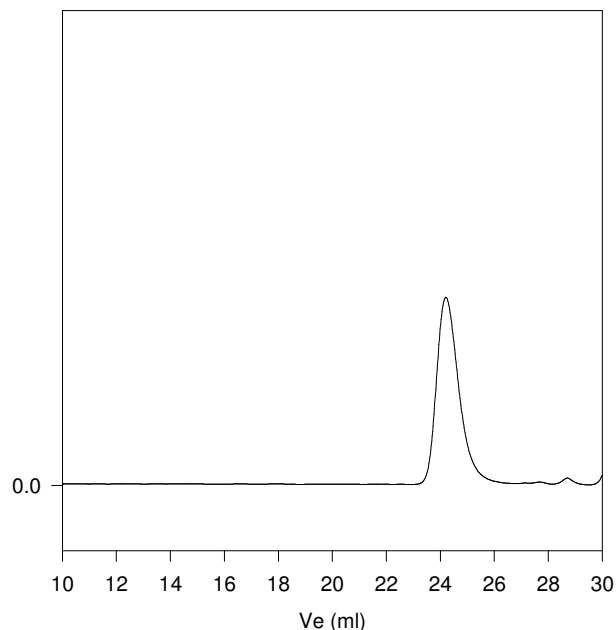
The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) in THF. SEC analysis was performed on a Varian liquid chromatograph equipped with refractive and UV light scattering detectors. Three SEC columns from Supelco (G6000-4000-2000 HXL) were used with triple detectors from Viscotek Co.

**Solubility:**

Polymer is soluble in DMF, THF, toluene and CHCl<sub>3</sub>. It precipitates from methanol, ethanol, water and hexanes

**SEC elugram of the polymer:**

**P2595-MMAOH**



Size Exclusion Chromatogram of Poly(methylmethacrylate)

— M<sub>n</sub>=4000, M<sub>w</sub>=4400, M<sub>w</sub>/M<sub>n</sub>=1.11  
(OH functionality by titration: >98%)