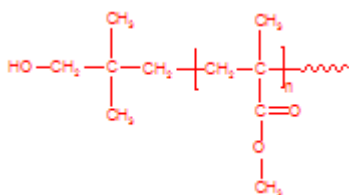


Sample Name: **Hydroxy Terminated Poly (methyl methacrylate) hydroxyisopentyl terminated**

Sample #: **P2239-MMAOH**

**Structure:**



**Composition:**

$M_n \times 10^3$	PDI
56.3	1.06

**Synthesis Procedure:**

Hydroxyl terminated poly (methyl methacrylate) was prepared by living anionic polymerization using a hydroxyl protected initiator.

**Characterization:**

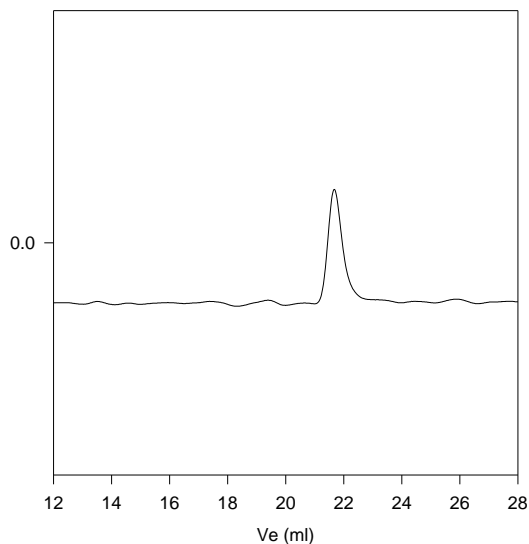
The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) in THF. SEC analysis was performed on a Varian liquid chromatograph equipped with refractive and UV light scattering detectors. Three SEC columns from Supelco (G6000-4000-2000 HXL) were used with triple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

**Solubility:**

Polymer is soluble in DMF, THF, toluene and  $\text{CHCl}_3$ . It precipitates from methanol, ethanol, water and hexanes

**SEC of Sample:**

**P2239-MMA-OH**



Size Exclusion Chromatography of Hydroxyl Terminated Poly(methyl methacrylate):

$M_n=56300$ ,  $M_w=59700$ ,  $PI=1.06$