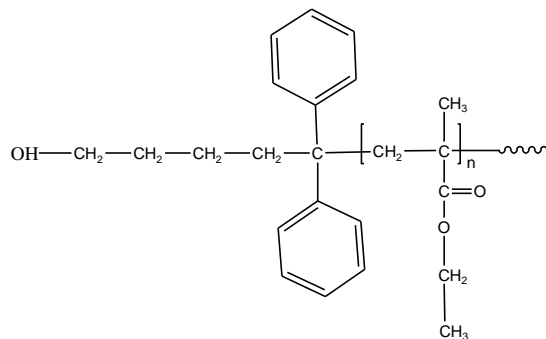
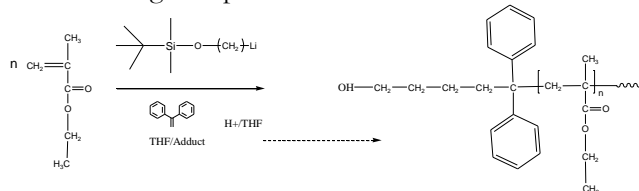


Sample Name:**Hydroxy Terminated Poly(ethyl methacrylate)****Sample #: P9324-EtMAOH****Structure:****Composition:**

$M_n \times 10^3$	PDI
15.0	1.06
Functionality	>98%

Synthesis Procedure:

OH Terminated Poly(ethyl methacrylate) was prepared by anionic living polymerization of ethyl methacrylate in THF using OH protected initiator.

**Characterization:**

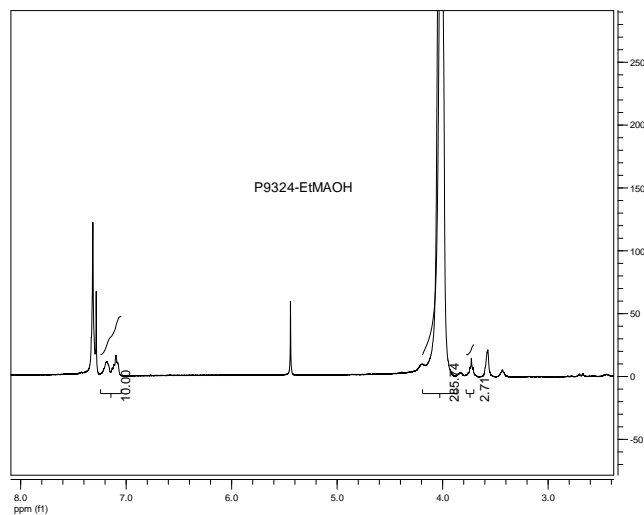
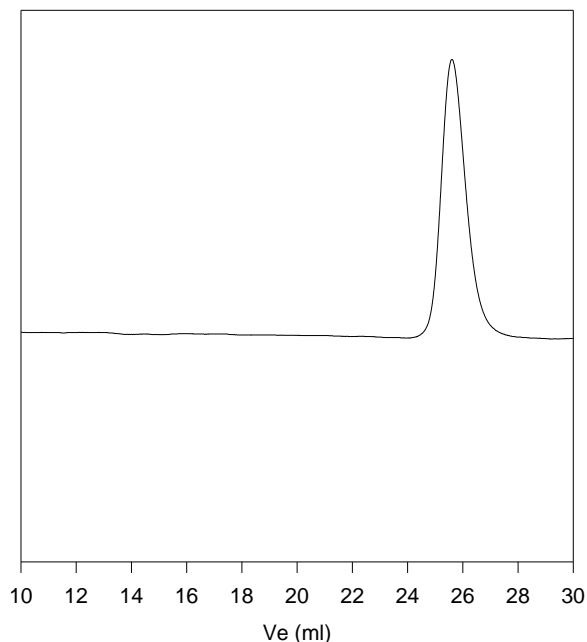
The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector before the addition of the CO₂H function.

Thermal analysis:

Thermal analysis of the samples was carried out using a differential scanning calorimeter (TA Q100) at a heating rate of 10°C/min. The inflection glass transition temperature (T_g) has been considered.

Solubility:

The polymer is soluble in CHCl₃, THF and dioxane.

HNMR of the Polymer:**SEC of Sample:****P9324-EtMAOH**

Size Exclusion Chromatography of Amino Terminated OH terminated Poly(ethyl methacrylate)

$M_n=15000$ $M_w=15900$, PI=1.06 functionality >0.99%