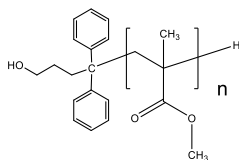


**Sample Name:** Poly(methyl methacrylate),  $\alpha$ -hydroxypropyl-terminated

**Sample #:** P43589C-MMAOH

CAS registry number: 9011-14-7

**Structure:**



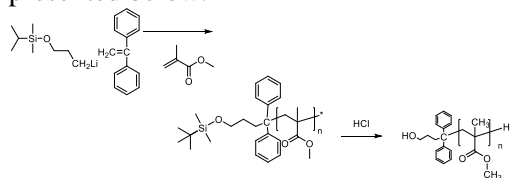
**Composition:**

$M_n \times 10^3$ (g/mol)	$M_w/M_n$
0.8	1.08

Tg: 31°C
Dp for MMA: ~7

**Synthesis Procedure:**

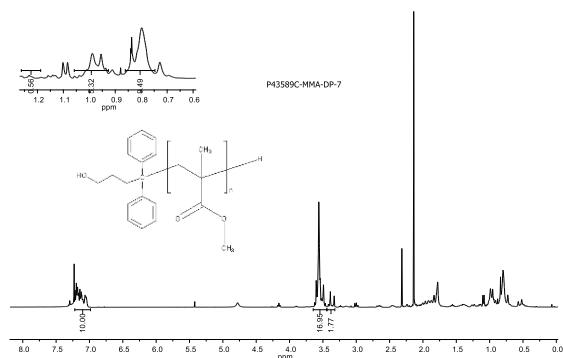
Polymer was obtained by living anionic polymerization of methyl methacrylate. The scheme of reaction is presented below.



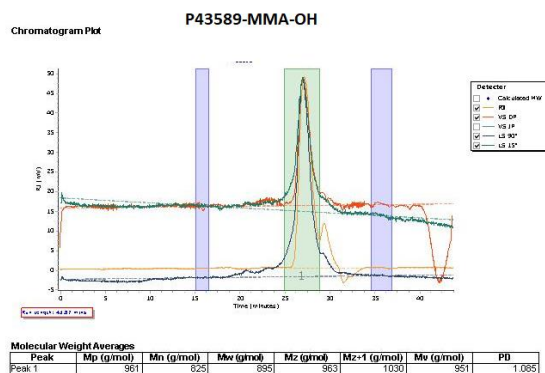
**Characterization:**

The molecular weight and polydispersity index of the polymer were determined by size exclusion chromatography (SEC). SEC analysis was performed on Agilent Technologies 1260 Infinity II GPC/SEC system equipped with triple detector, three columns and using tetrahydrofuran (THF) as a mobile phase.

**<sup>1</sup>H-NMR spectrum of the polymer in chloroform-d:**



**SEC chromatogram of the polymer:**



**DSC thermogram of the Sample:**

