

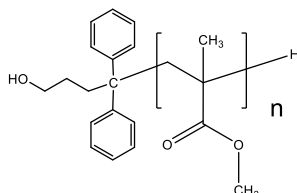
Sample Name:

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

Sample #: **P42618-MMAOH**

CAS registry number: 9011-14-7

**Structure:**

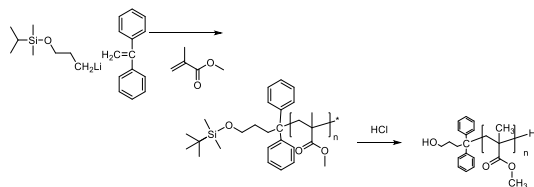


**Composition:**

$M_n \times 10^3$ (g/mol)	$M_w/M_n$
46.0	1.6

**Synthesis Procedure:**

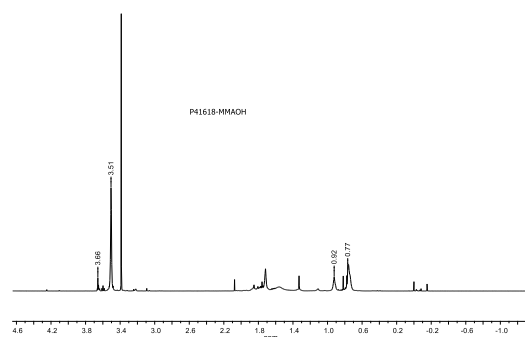
Poly(methyl methacrylate) was obtained by living anionic polymerization of methyl methacrylate. The scheme of reaction is presented below.



**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.

**$^1\text{H-NMR}$  spectrum of the polymer in chloroform-d:**



**SEC chromatogram of the polymer:**

Agilent GPC/SEC Software

