

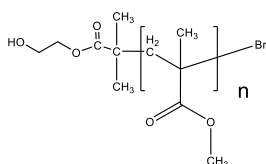
Sample Name:

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

Sample ID #: **P43603-MMAOH**

CAS registry number: 9011-14-7

**Structure:**

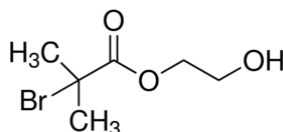


**Composition:**

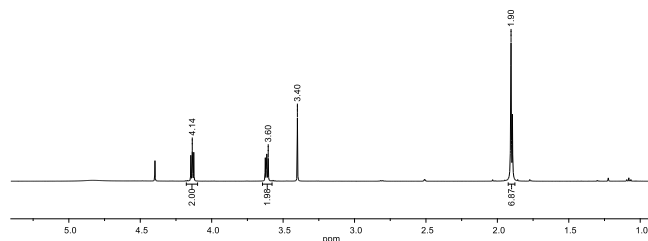
$M_n \times 10^3$ (g/mol)	$M_w/M_n$
3.5	1.03

**Synthesis Procedure:**

Poly(methyl methacrylate) was obtained by ATRP polymerization process using following ATRP.



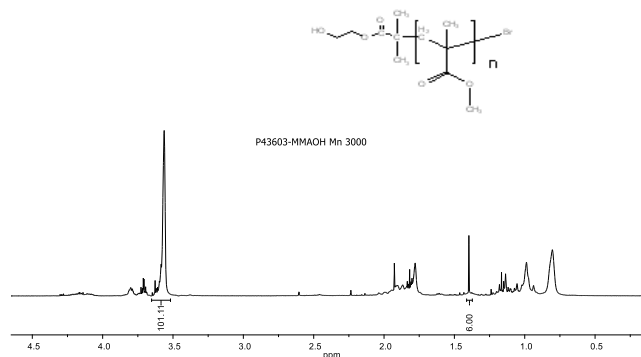
**$^1\text{H-NMR}$  spectrum of the ATRP:**



**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 Sample:**



**SEC chromatogram of the polymer:**

