

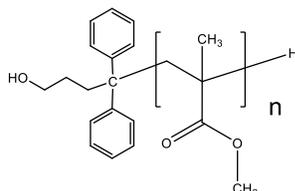
Sample Name:

Poly(methyl methacrylate), α -hydroxypropyl-terminated

Sample #: **P42618-MMAOH**

CAS registry number: 9011-14-7

Structure:

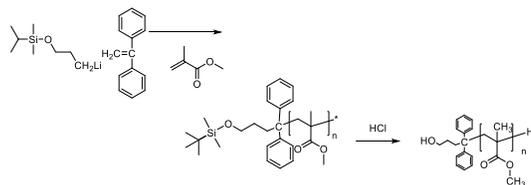


Composition:

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

Synthesis Procedure:

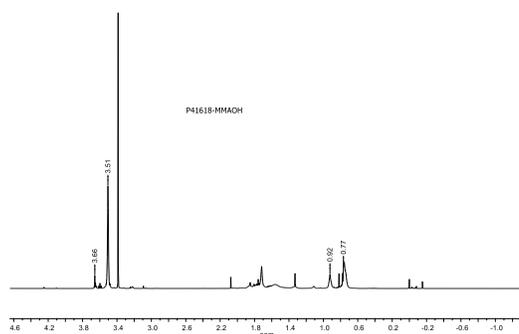
Poly(methyl methacrylate) was obtained by living anionic polymerization of methyl methacrylate. The scheme of reaction is presented below.



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

