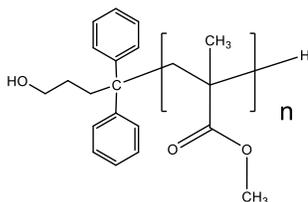


Sample Name: Poly(methyl methacrylate), α -hydroxypropyl-terminated

Sample ID #: P42595A-MMAOH

CAS registry number: 9011-14-7

Structure:

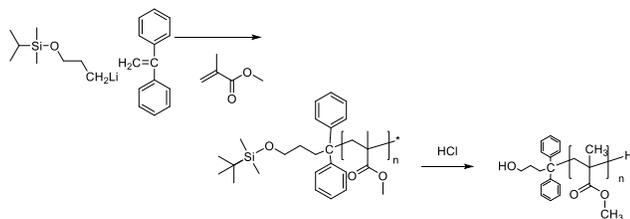


Composition:

$M_n \times 10^3$ (g/mol)	M_w/M_n
112.0	1.02

Synthesis Procedure:

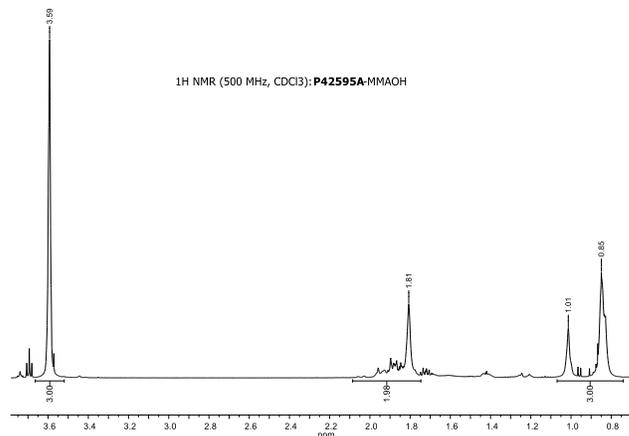
Poly(methyl methacrylate) was obtained by living anionic polymerization of methyl methacrylate. The scheme of reaction is presented below.



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.

^1H NMR spectrum of the polymer in chloroform-d:

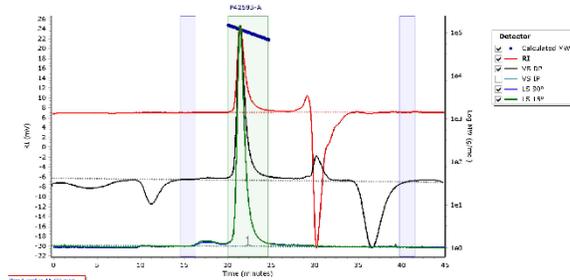


SEC chromatogram of the polymer:

Agilent GPC/SEC Software

P42595-A

Chromatogram Plot



Peak	M_p (g/mol)	M_n (g/mol)	M_w (g/mol)	M_z (g/mol)	M_z+1 (g/mol)	M_v (g/mol)	PD
Peak 1	119336	111559	113285	114672	115370	114511	1.015