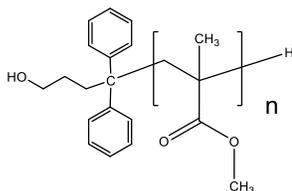


Sample Name: Poly(methyl methacrylate), α -hydroxypropyl-terminated

Sample ID #: P42595-MMAOH

CAS registry number: 9011-14-7

Structure:

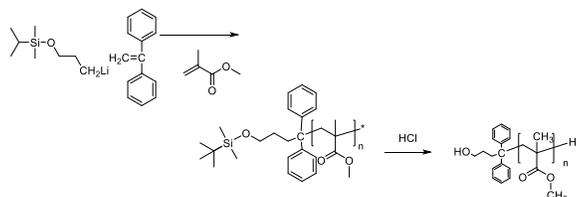


Composition:

$M_n \times 10^3$ (g/mol)	M_w/M_n
108.0	1.1

Synthesis Procedure:

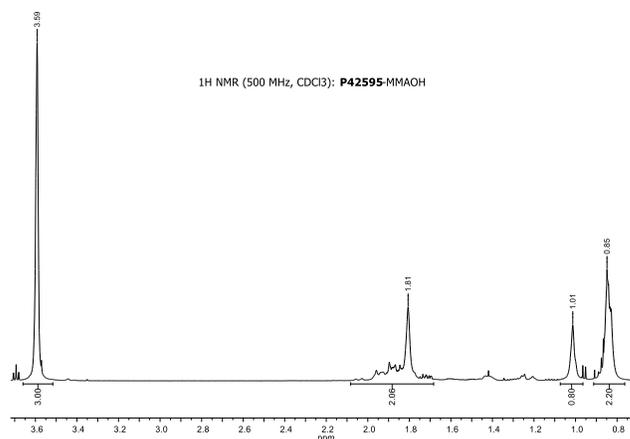
Poly(methyl methacrylate) was obtained by living anionic polymerization of methyl methacrylate. The scheme of reaction is presented below.



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:

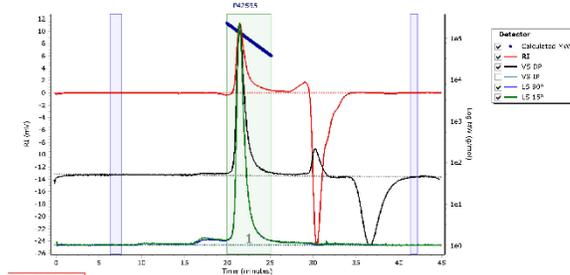


SEC chromatogram of the polymer:

Agilent GPC/SEC Software

P42595

Chromatogram Plot



Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	137409	108284	119183	128639	132247	126595	1.101