

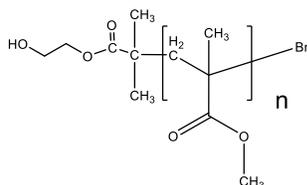
Sample Name:

Poly(methyl methacrylate), α -hydroxypropyl-terminated

Sample #: **P42600-MMAOH**

CAS registry number: 9011-14-7

Structure:



Composition:

$M_n \times 10^3$ (g/mol)	M_w/M_n
32.0	1.4

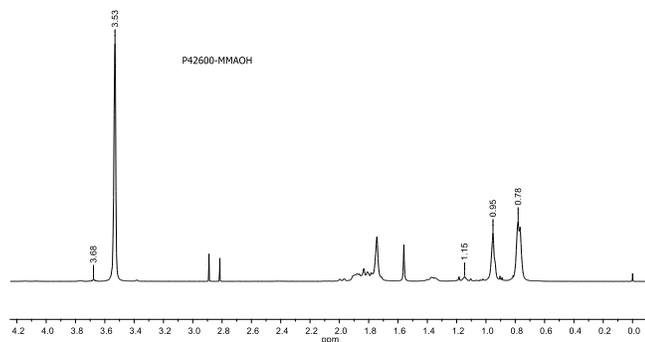
Synthesis Procedure:

Poly(methyl methacrylate) was obtained by ATRP process.

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 H-NMR spectrum of the Polymer:

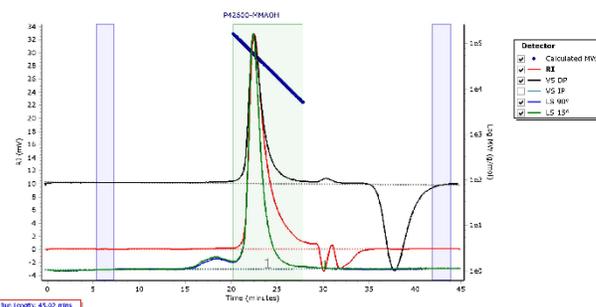


SEC chromatogram of the polymer:

Agilent GPC/SEC Software

P42600-MMAOH

Chromatogram Plot



Molecular Weight Averages

Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	57677	32112	45703	55366	62703	53827	1.423