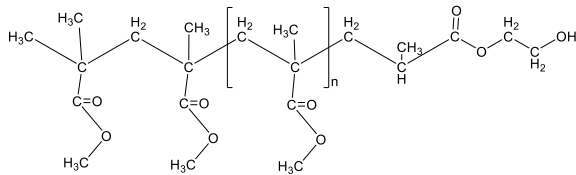


Sample Name: Poly(methyl methacrylate), α -hydroxy ethyl terminated

Sample ID #: P43607A-MMAOH

Structure:



Composition:

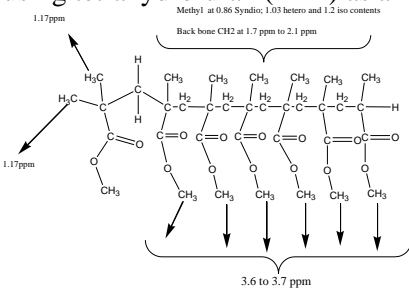
$M_n \times 10^3$ (g/mol)	M_w/M_n
1.0	1.05
CAS registry number: 9011-14-7	

Synthesis Procedure:

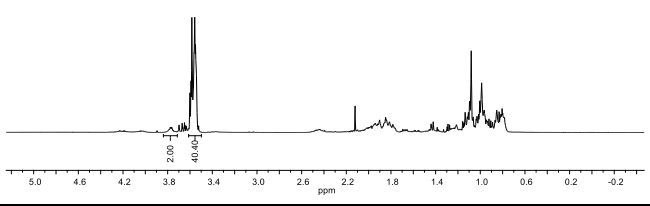
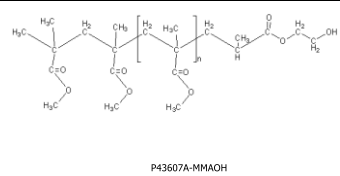
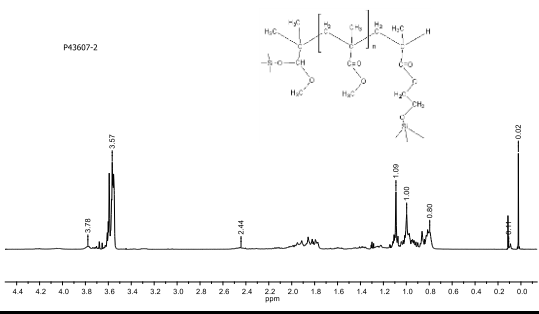
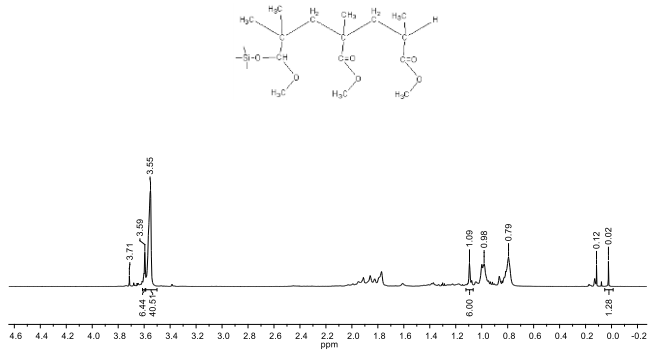
Poly(methyl methacrylate) was obtained by GTP polymerization process.

Characterization:

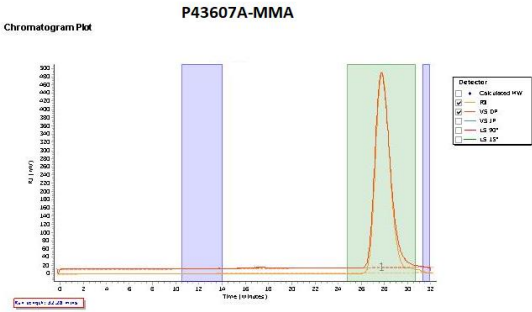
The molecular weight and polydispersity index of the polymer were determined by size exclusion chromatography (SEC). SEC analysis was performed on Agilent Technologies 1260 Infinity II GPC/SEC system equipped with triple detector, three columns and using tetrahydrofuran (THF) as a mobile phase.



1H-NMR spectrum of the product at different steps:

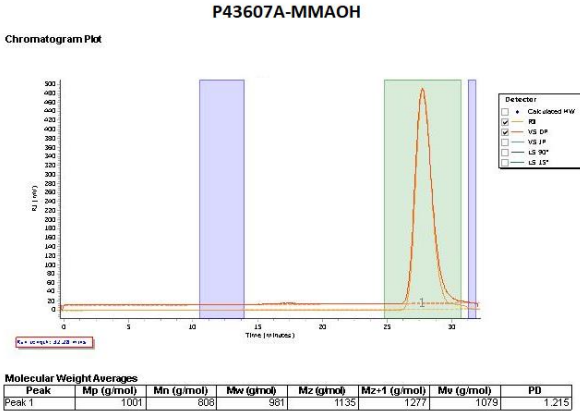


SEC chromatogram of the polymer:



Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PDI
Peak 1	698	645	677	705	731	694	1.049

Discussion Parameters



Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PDI
Peak 1	1001	908	981	1135	1277	1079	1.215