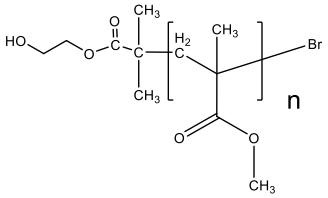
Sample Name:
Poly(methyl methacrylate), α-hydroxy-ω-bromo-terminated, atactic

Sample #: **P42594-MMAOH**

CAS registry number: 9011-14-7

Structure:



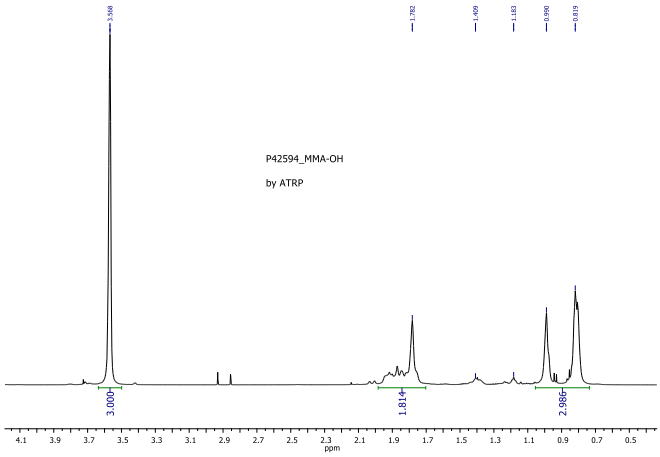
Composition:

$M_n \times 10^3$ (g/mol)	M_w/M_n
46.0	1.32

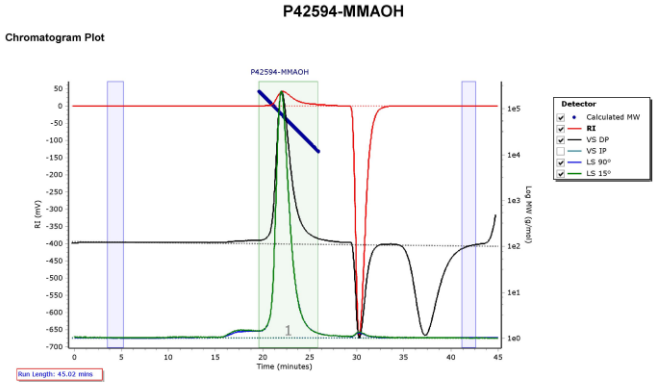
Synthesis Procedure:
Poly(methyl methacrylate) was obtained by ATRP polymerization process.

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 polymer:



SEC elugram of the polymer:



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	71482	45899	60437	72892	84186	71149	1.317