

Poly(methyl methacrylate), α -hydroxypropyl-terminated

CAS registry number: 9011-14-7

$$\text{HOCH}_2\text{CH}_2\text{O}-\text{C}(=\text{O})-\text{C}(\text{CH}_3)_2-\left[\text{C}(\text{H}_2)\text{C}(\text{CH}_3)-\text{C}(\text{CH}_3)(\text{COOCH}_2\text{CH}_2\text{OH})\right]_n-\text{Br}$$

$M_n \times 10^3$ (g/mol)	M_w/M_n
80.0	1.5

Poly(methyl methacrylate) was obtained by ATRP process.

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.

P42611-MMA-OH

Chemical shift (ppm): 3.57, 2.8, 2.9, 1.15, 0.95, 0.78

P42611-MMAOH

Chromatogram Plot

Time (minutes)

Peak Length: 61.52 min

Detector

- ✓ Calculated MW
- ✓ RI
- ✓ VS DP
- ✓ VS IP
- ✓ LS 90°
- ✓ LS 135°

Peak	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mx-1 (g/mol)	Mv (g/mol)	PD
[peak 1]	1387.52	8030.61	12524.48	17249.05	21063.98	1.558

Triplicate Analysis