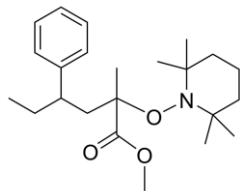


**Sample Name:** Methyl methacrylate, ( $\alpha$ -hydroxy,  $\omega$ -TEMPO)-terminated

**Sample #:** P43606-MMAOHT

**Structure:**

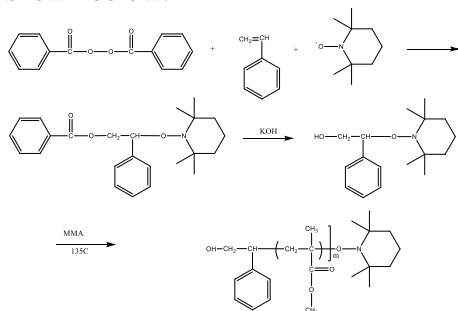


**Composition:**

Mn x 10 <sup>3</sup>	Mw/Mn (PDI)
0.4	1.07

**Synthesis Procedure:**

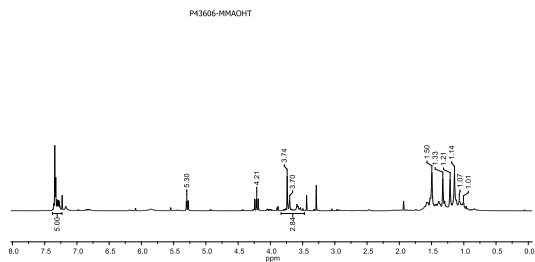
Methyl methacrylate, ( $\alpha$ -hydroxy,  $\omega$ -TEMPO)-terminated is prepared by stable free radical polymerization at 135°C. The reaction scheme is shown below:



**Characterization:**

The product was characterized by size exclusion chromatography (SEC) and <sup>1</sup>H NMR data analysis.

**NMR spectrum of the OH-TEMPO Sample:**



**SEC profile of the random copolymer:**

