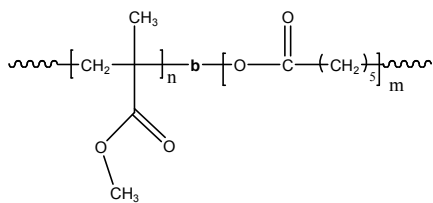


**Sample Name:** Poly(Methylmethacrylate-*b*- $\epsilon$ -caprolactone)

**Sample #:** P10467F5-MMACL

**Structure:**



**Composition:**

$M_n \times 10^3$ MMA- <i>b</i> -CL	$M_w/M_n$ (PDI)
5.0- <i>b</i> -50.0	1.6

**Synthesis Procedure:**

Polymer is prepared by anionic polymerization from OH terminated PMMA.

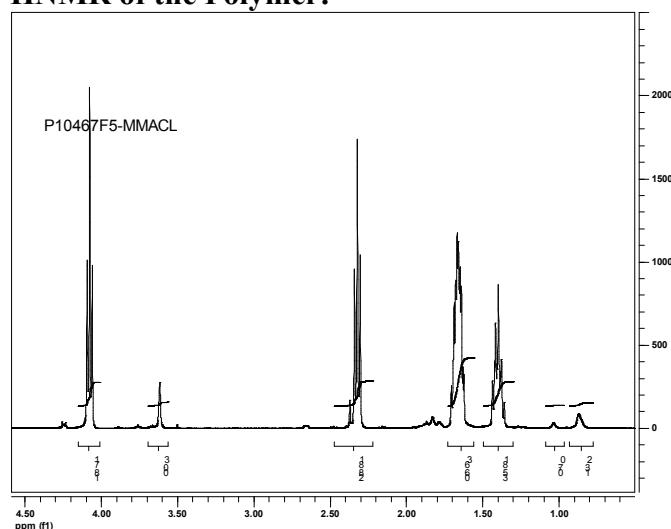
**Characterization:**

Block copolymer composition was calculated from  $^1\text{H}$ -NMR spectroscopy by comparing the peak area of the Methyl ester protons at 3.6 ppm with the peak area of  $\epsilon$ -caprolactone protons at 4.1 ppm. Block copolymer PDI is determined by SEC.

**Solubility:**

Polymer is soluble in THF, Chloroform, DMF, and precipitated in methanol and hexanes.

**$^1\text{H}$ NMR of the Polymer:**



**SEC profile of the block copolymer:**

**P10467F5-MMACL**

