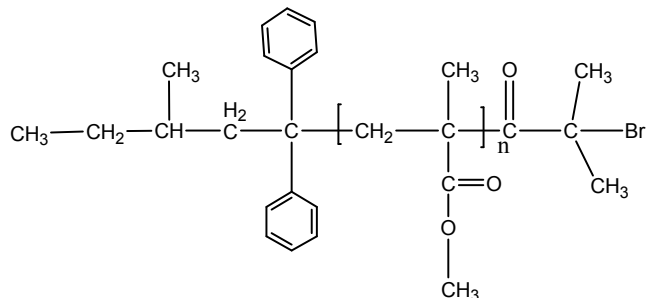


Sample Name:

**$\omega$ -Bromo end functionalized Poly(methyl methacrylate) syndio microstructure rich PMMA**  
(Macroinitiator for ATRP)

Sample #: **P10780-MMABr**

**Structure:**



**Composition:**

$M_n \times 10^3$	PDI
10.5	1.19

**Synthesis Procedure:**

The Br end functionalized PMMA is prepared by anionic process.

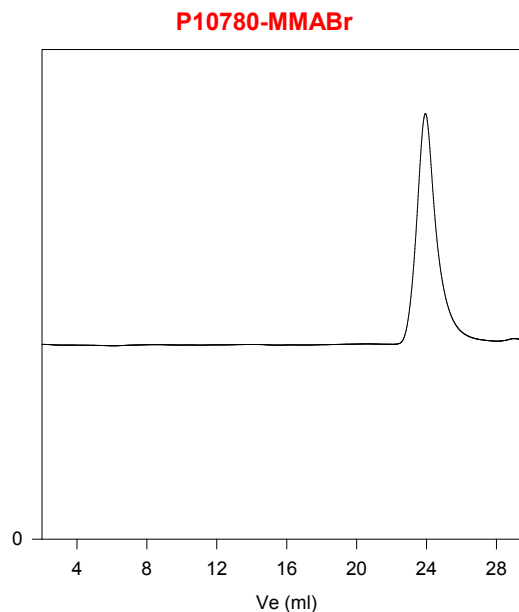
**Characterization:**

The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

**Solubility:**

Polymer is soluble in THF, toluene and  $\text{CHCl}_3$ . It precipitates from methanol, ethanol, water and hexanes.

**SEC of Sample:**



Size exclusion chromatograph of polymer:

Bromo end functionalized PMMA  $M_n=10500$ ,  $M_w=12,500$ ,  $M_w/M_n=1.19$

