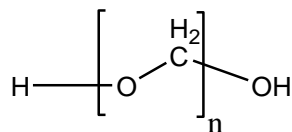


Sample Name:

**Poly(oxy methylene)**<sub>unstabilized End Group</sub>

Sample #: **P40450B-POM**

**Structure:**



**Composition:**

$M_n \times 10^3$	PDI
7.0	1.3

**Synthesis Procedure:**

The polymerization scheme is as below:



**Characterization:**

Size exclusion chromatography (SEC): Varian liquid chromatograph equipped with UV and refractive, or a Viscotek TriSEC detector. Two sets of columns were used obtained from PSS-PFG 100 Ao column and RI detector. Calibration was achieved with PMMA (ref-Macromolecules, 2013, 46, 8845-8852).

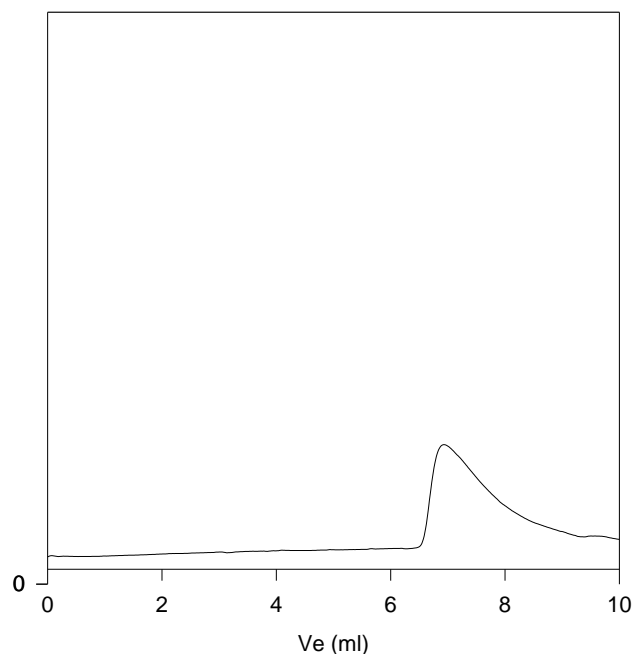
Eluent was hexafluoroisopropanol at 35 °C.

**Solubility:**

The polymer is soluble in Hexafluoroisopropanol at 35 °C and in DMSO at 150 °C.

**SEC of the polymer:**

**P40450B-POM**



Size exclusion chromatograph of polymer:

$M_n=7,000$ ,  $M_w=9,000$ ,  $PI=1.3$