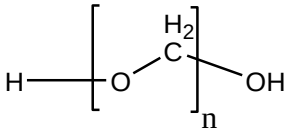
Sample Name:
Poly(oxy methylene) *unstabilized End Group*

Sample #: **P40450C-POM**

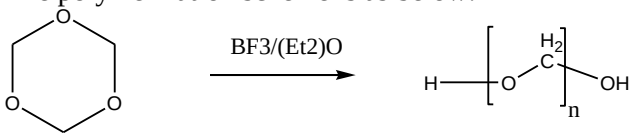
Structure:



Composition:

Mn x 10^3	PDI
7.0	1.4

Synthesis Procedure:
The polymerization scheme is as below:



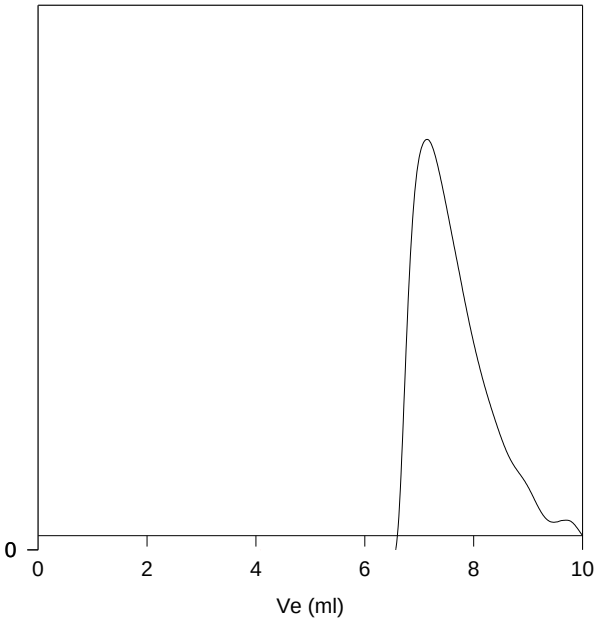
Trioxane

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 hexafluroisopropanol at 35 ^{o}C.

Solubility:
The polymer is soluble in Hexafluroisopropanol at 35 ^{o}C and in DMSO at 150 ^{o}C.

SEC of the polymer:

P40450C-POM



Size exclusion chromatograph of polymer:
M_n=7,000, M_w=9,500, PI=1.4