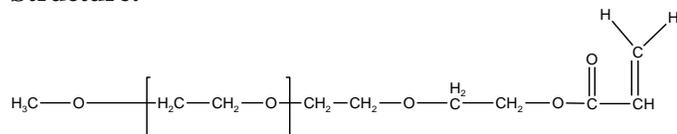


Sample Name: α -Methoxy-, ω -Acrylate-end functionalized Poly (ethylene glycol); or Poly (ethylene glycol) methyl ether acrylate

Sample #: P16124-mPEGacrylate

Structure:



Composition:

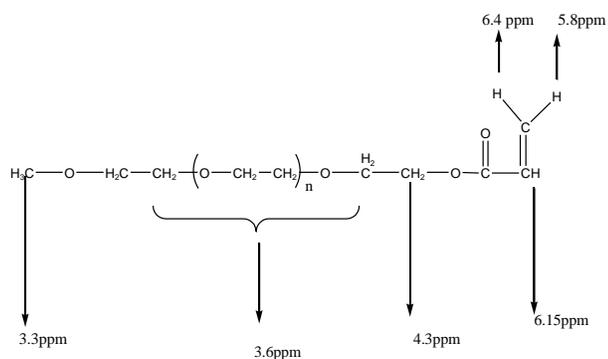
Mn x 10 ³	PDI	Functionality (Acrylate)
2.0	1.10	> 98%

Characterization:

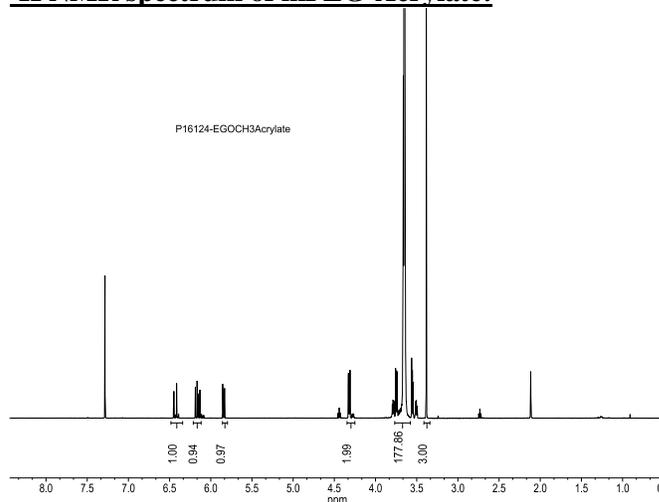
The polymer was characterized by SEC and ¹H NMR.

Solubility:

The Polymer is soluble in water, methanol, ethanol, THF, CHCl₃. It precipitates from cold ethanol, isopropanol, hexane and ether.

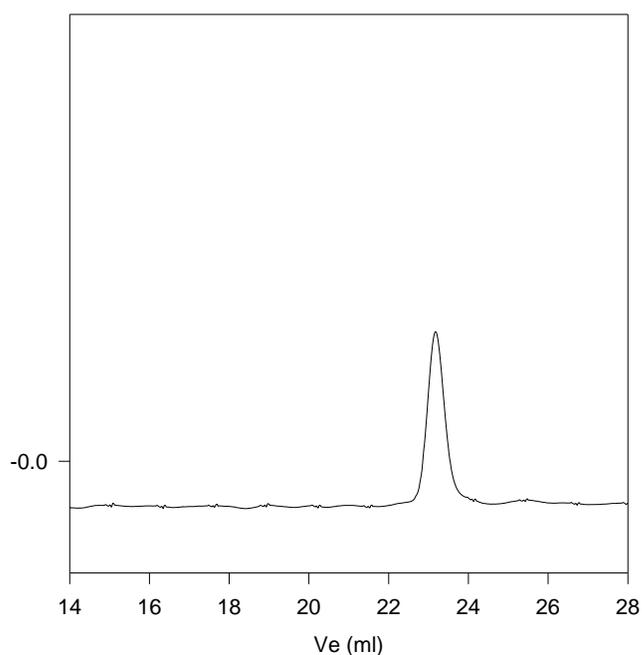


¹H NMR spectrum of mPEG-Acrylate:



SEC elugram of mPEG polymer used in the synthesis before converting terminal -OH group into acrylate:

P16124-EGOCH3Acrylate



Size exclusion chromatograph of polymer

M_n=2000, M_w=2200 PI=1.10