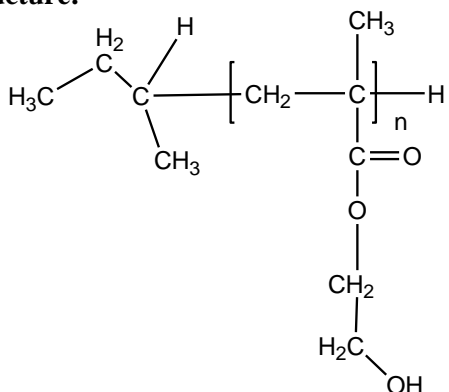


Sample Name:
Poly (2-hydroxyethyl methacrylate)

Sample #: **P40426-HEMA**
(Synthesized by anionic process)

Structure:



Composition:

Mn x 10 ³	PDI
157.0	3.5
T _g (°C)	76 °C
Microstructure: S: h: I	76:23:1

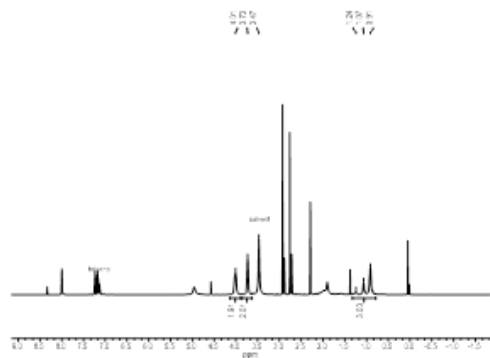
Synthesis Procedure:

Poly (2-hydroxyethyl methacrylate) is synthesized by living anionic polymerization of 2-(trimethylsilyl) ethyl methacrylate followed by deprotection of hydroxyl group under acidic conditions.

Characterization:

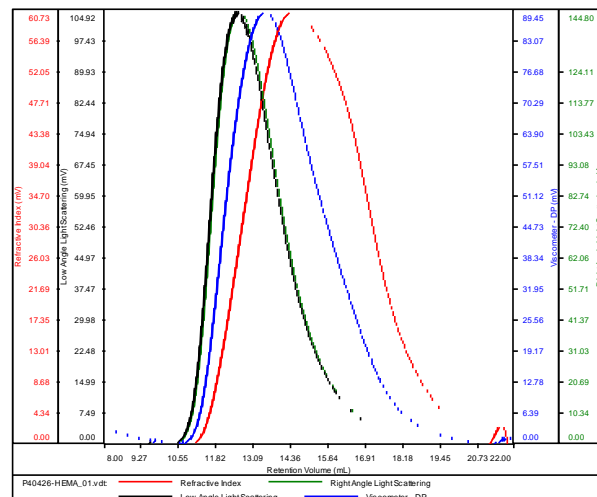
The product was characterized by size exclusion chromatography (SEC), ¹H NMR and DSC.

¹H NMR spectrum of the Sample:



SEC elugram of homopolymer:
P40426-HEMA

Conc (mg/mL)	25.9569
dn/dc (mL/g)	0.0650
Method	PS90k_December-2016-0004.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40426-HEMA_01.vdt	156,925	557,598	375,449	3.553	0.1413

DSC thermogram for the polymer:

Size: 10.4000 mg

DSC

