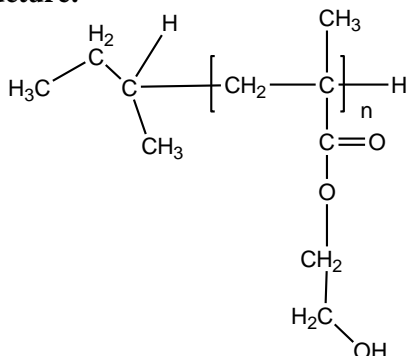


Poly (2-hydroxyethyl methacrylate)

Structure:

**Composition:**

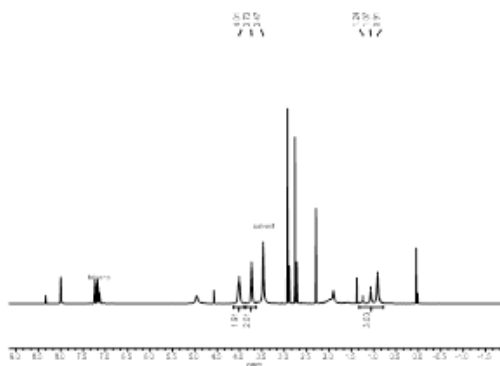
Mn x 10 ³	PDI
14.0	1.19

T _g (°C)	76 °C
Microstructure: S: h: I	76:23:1

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

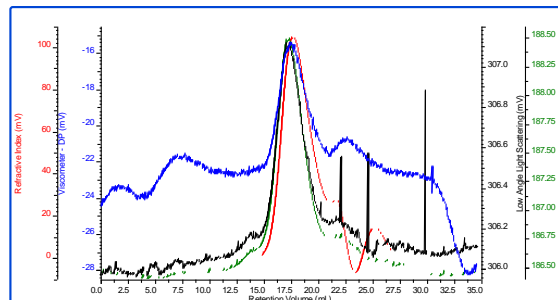
The product was characterized by size exclusion chromatography (SEC), ^1H NMR and DSC.

^1H NMR spectrum of the Sample:



SEC elugram of homopolymer:
p42178-hema

dn/dc	0.0650
Flow Rate	0.7000
Solvent	DMF with LiBr
Method	PSS column-PMMA60K-Jan3-2019-0009.vcm



Sample	Mn	Mw	Mp	Mw/Mn
P42178-HENMA_1_20	14,228	16,930	16,628	1.190

DSC thermogram for the polymer:

Size: 10.4000 mg

DSC

