

**Poly (2-hydroxyethyl methacrylate)**

**(Synthesized by anionic process)**

$$\begin{array}{c} \text{H}_3\text{C}-\text{C}(\text{H}_2)-\text{C}(\text{H})(\text{CH}_3)-\left[\text{CH}_2-\text{C}(\text{CH}_3)(\text{C}(=\text{O})\text{OCH}_2\text{CH}_2\text{OH})\right]_n\text{H} \end{array}$$

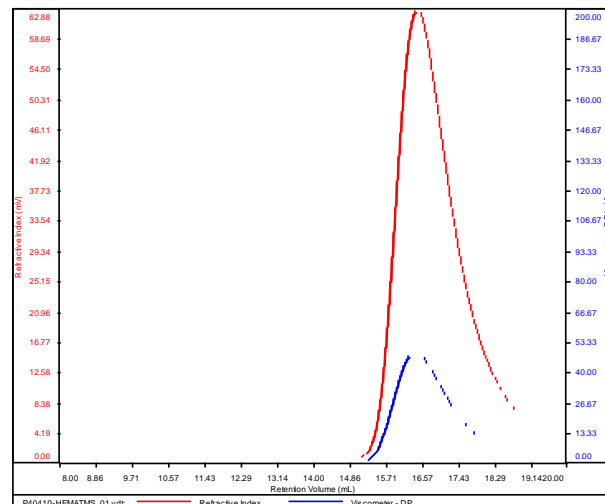
Mn x 10 <sup>3</sup>	PDI
19.5	1.11
T <sub>g</sub> (°C)	76 °C
Microstructure: S: h: I	76:23:1

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), <sup>1</sup>H NMR and DSC.

## P40410-HEMATMS

Conc (mg/mL)	10.1663
dn/dc (mL/g)	0.0650
Method	PS80k_December-2016-0004.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40410-HEMATMS_01.vdt	30,244	33,761	32,904	1.116	0.0867

## Size: 10.4000 mg

