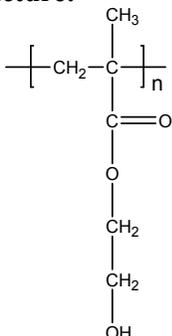


Sample Name:  
**Poly (2-hydroxyethyl methacrylate)**

**SEC of the HEMA:**

Sample #: **P16118-HEMA**

Structure:



Composition:

<b>Mn x 10<sup>3</sup></b>	<b>PDI</b>
26.0	1.5
Microstructures: S: h: I	67:30:3

**Synthesis Procedure:**

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

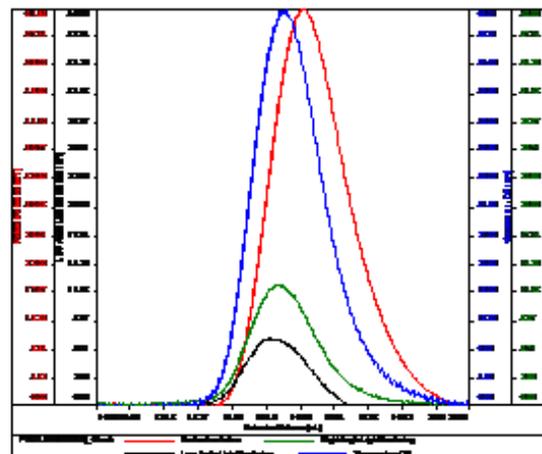
**Characterization:**

The molecular weight and polydispersity index (PDI) of poly (2-hydroxyethyl methacrylate) are calculated from Mw of poly (2-(trimethylsilyl) ethyl methacrylate (PHEMATMS), which is obtained by size exclusion chromatography.

**Solubility:** Poly (2-hydroxyethyl methacrylate) is soluble in ethanol, DMF etc. It is insoluble in hexane, toluene, THF.

P16118-HEMA

Conc. (mg/ml)	7.0000
Flow (ml/min)	0.5000
Method	P16118-HEMA (SEC) (0.0000) (0.0000)
Sample	SEC - P16118-HEMA
Detector	RI



Sample	Mn	Mw	Mp	MW/Mn	PDI
P16118-HEMA SEC	26.000	39.000	24.500	1.500	1.500

**<sup>1</sup>H-NMR Spectrum of the polymer:**

