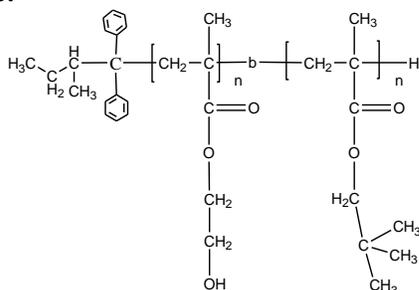


**Sample Name:** Poly (2-hydroxyethyl methacrylate-b-neopentyl methacrylate)

**Sample #:** P41624F-HEMANPMA

**Structure:**



**Composition:**

$M_n \times 10^3$ HEMA-NPMA	Mw/Mn
3.0-b-35.0	1.08

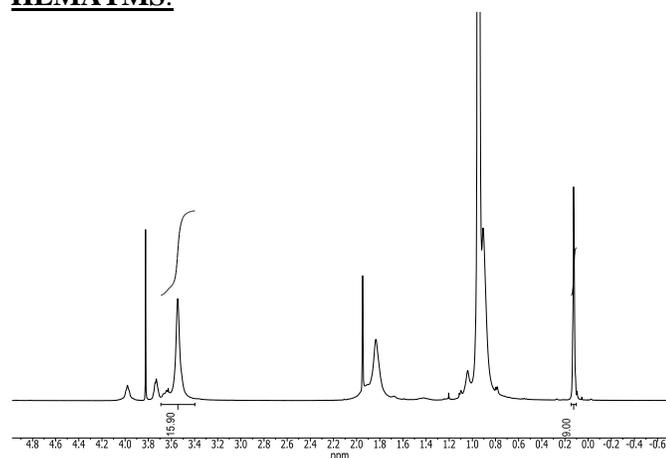
**Synthesis:**

The diblock copolymer was synthesized by anionic polymerization process, followed by hydrolysis under acidic condition.

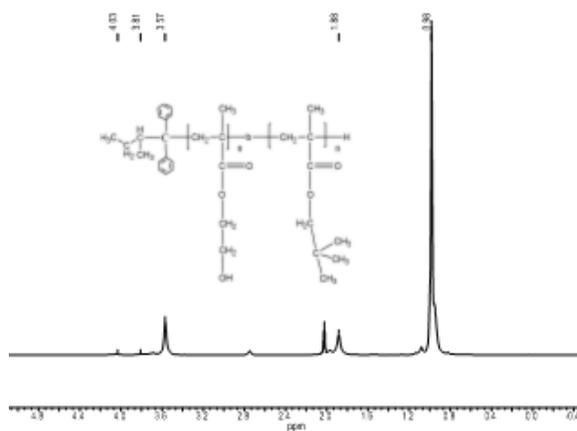
**Characterization:**

The polymer was characterized by  $^1\text{H-NMR}$  and size exclusion chromatography (SEC).

**$^1\text{H NMR}$  (500 MHz, in  $\text{CDCl}_3$ ) of NPMA-HEMATMS:**



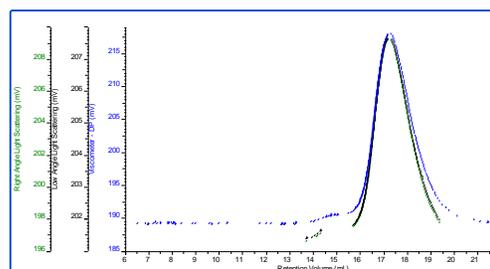
**$^1\text{H NMR}$  spectrum of the Sample:**



**SEC elugram of the HEMA-b-NPMA:**

P41624F

dn/dc	0.0570
Flow	0.7000
Solvent	DMF with LiBr
Method	PSS



Sample	Mn	Mw	Mz	IV	Mw/Mn
P412624-F_1_2019-0	38,034	41,101	47,505	0.0857	1.081