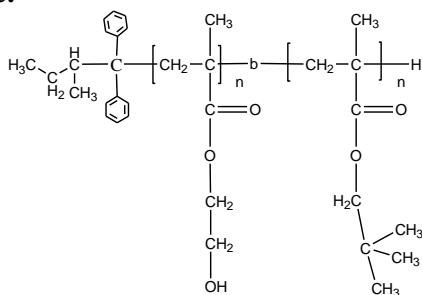


**Sample Name:** Poly (2-hydroxyethyl methacrylate-b-neopentyl methacrylate)

**Sample #:** P41390-HEMANPMA

**Structure:**



**Composition:**

$M_n \times 10^3$ HEMA-NPMA	$M_w/M_n$
16.5-b-319.5	1.14

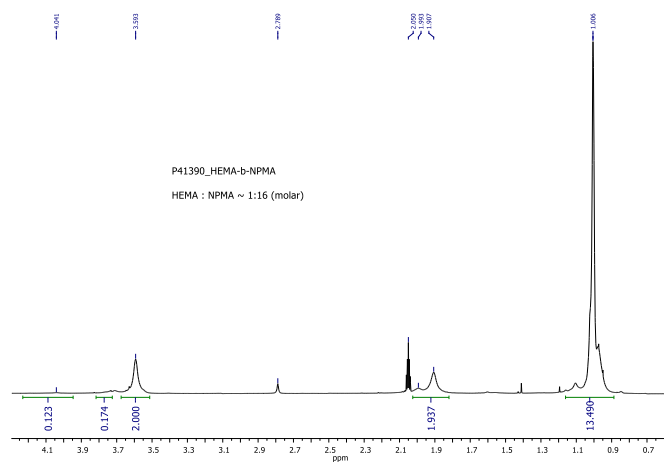
**Synthesis:**

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

**Characterization:**

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

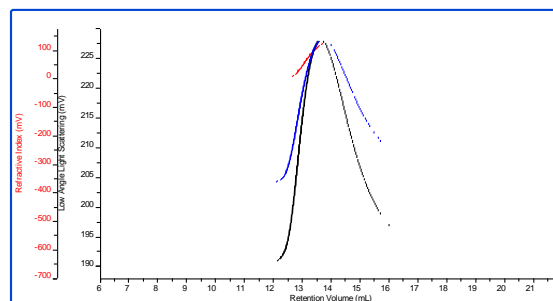
**$^1\text{H NMR}$  HEMA-b-NPMA:**



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

**P41390-HEMA-NPMA**

<b>dn/dc</b>	0.0870
<b>Flow</b>	0.7000
<b>Solvent</b>	DMF with LiBr
<b>Method</b>	PSS column-PMMA64K-Oct2018-0008.vcm



Sample	$M_n$	$M_w$	$M_z$	IV	$M_w/M_n$
P41390-NPMA_1_2018-	335,885	383,592	531,927	0.8183	1.142