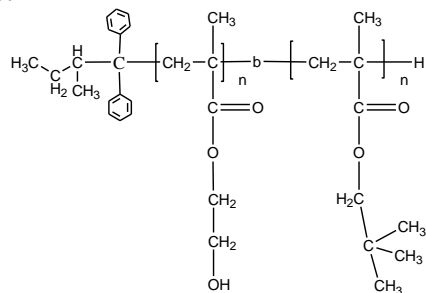


**Sample Name:** Poly (2-hydroxyethyl methacrylate – b-neopentyl methacrylate)

**Sample #:** P19828-HEMANPMA

**Structure:**



**Composition:**

|                                   |       |
|-----------------------------------|-------|
| $M_n \times 10^3$<br>HEMA-b- NPMA | Mw/Mn |
| 5.0-b-245.0                       | 1.14  |

|           |                  |
|-----------|------------------|
| HEMA:NPMA | 4:96 molar ratio |
|-----------|------------------|

|                                |       |
|--------------------------------|-------|
| T <sub>g</sub> for NPMA block: | 119°C |
|--------------------------------|-------|

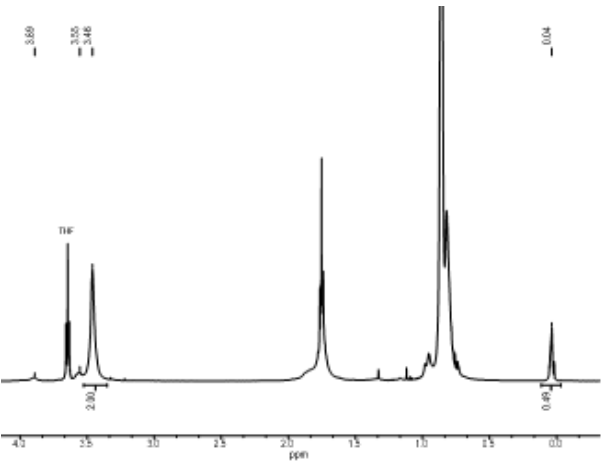
**Synthesis:**

The polymer was synthesized by anionic polymerization process.

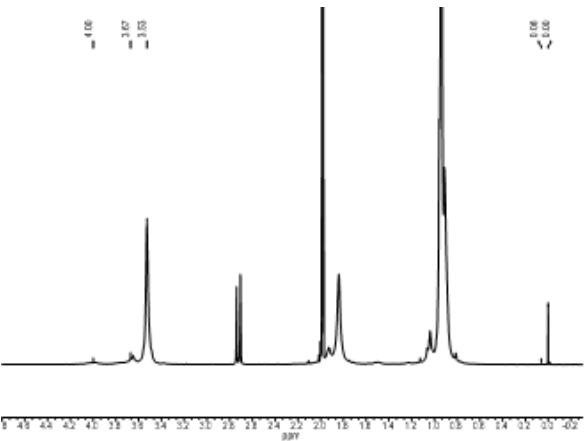
**Characterization:**

The product was characterized by size exclusion chromatography (SEC) and <sup>1</sup>H NMR.

**<sup>1</sup>H NMR spectrum of polymer:**



**<sup>1</sup>H NMR spectrum runs in Acetone:**



**SEC of HEMATMS-NPMA in THF:**

