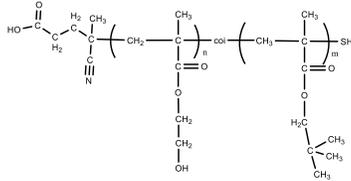


Sample Name:

**Random Copolymer Poly (2-Hydroxy ethyl methacrylate-co-Neopentylmethacrylate)**

Sample #: **P44234B-HEMANPMAran**

Structure:

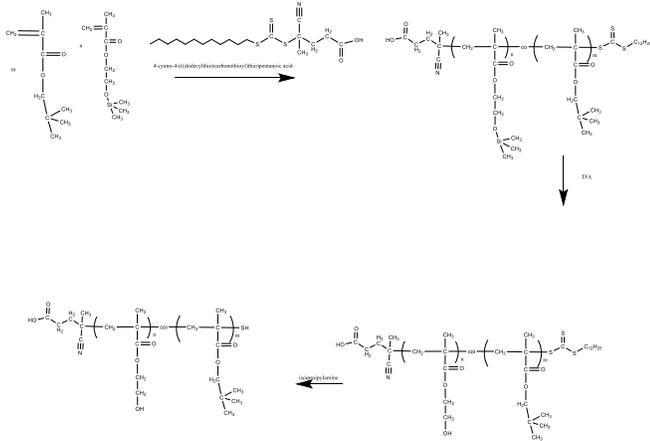


Composition:

Mn x 10 <sup>3</sup> HEMA-co-NPMA	PDI
10.5	1.02
T <sub>g</sub> for the random copolymer: 72.0°C	
HEMA: NPMA molar ratio: 15:85	

Synthesis Procedure:

The polymer was synthesized by RAFT polymerization process.



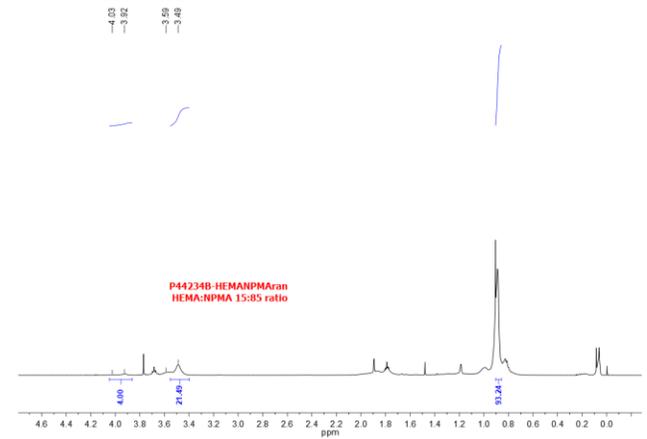
Characterization:

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

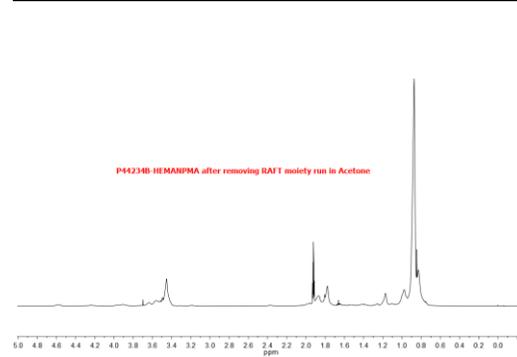
Thermal analysis:

Thermal analysis of the samples was carried out on a TA Q100 differential scanning calorimeter at a heating rate of 10°C/min. The midpoint of the slope change of the heat flow plot of the second heating scan was considered as the glass transition temperature (T<sub>g</sub>).

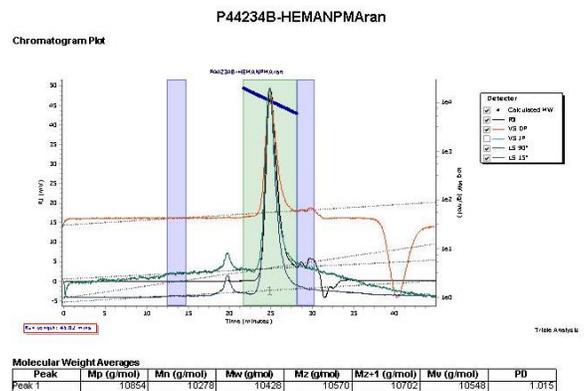
**Proton NMR of copolymer: HEMATMSNPMaran**



**Proton NMR of copolymer: HEMANPMAran**



**SEC of the random copolymer:**



**DSC thermogram of the Sample:**

