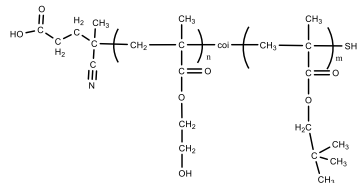


Sample Name:

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

Sample #: **P44234B-HEMANPMAran**

Structure:

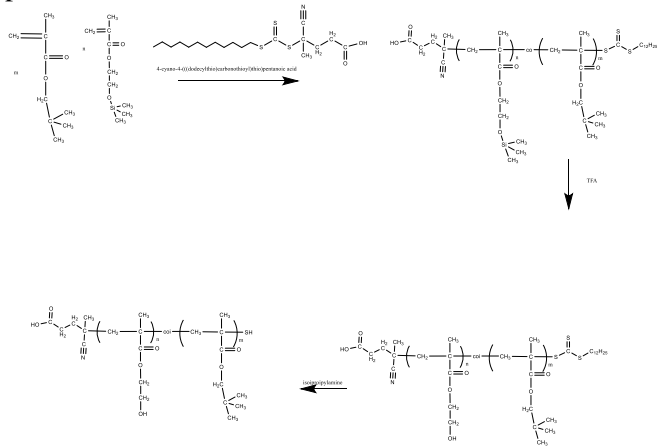


Composition:

Mn x 10 ³ HEMA-co-NPMA	PDI
10.5	1.02
T _g for the random copolymer: 72.0°C	
HEMA: NPMA molar ratio: 15:85	

Synthesis Procedure:

The polymer was synthesized by RAFT polymerization process.



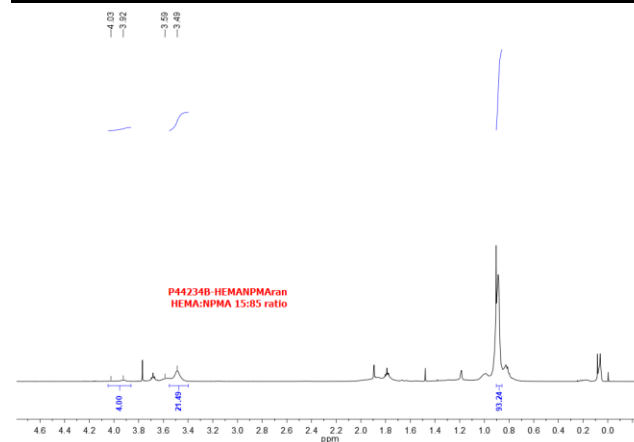
Characterization:

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

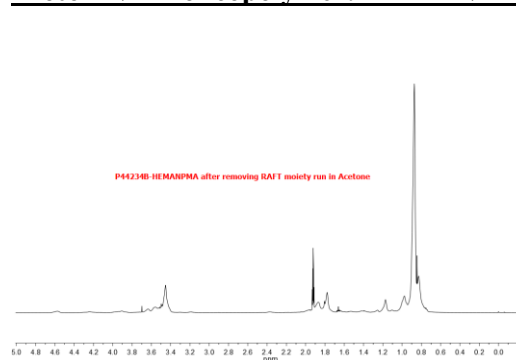
Thermal analysis:

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_g).

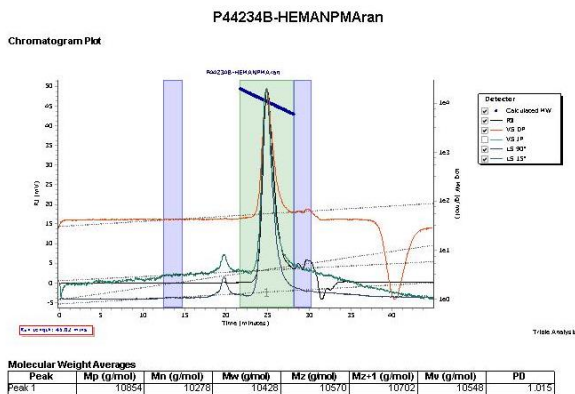
Proton NMR of copolymer: HEMATMSNPMA ran



Proton NMR of copolymer: HEMANPMAran



SEC of the random copolymer:



DSC thermogram of the Sample:

