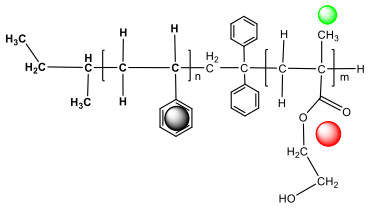
Product Profile

Identification

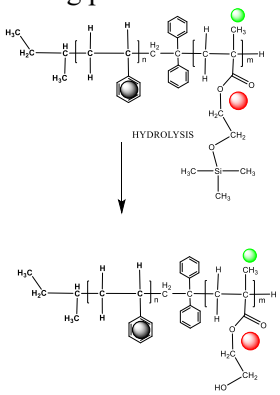
Product Name: Poly(Styrene-b-2-Hydroxy ethyl methacrylate)
Sample Lot# **P45510-SHEMA**
Structure:



Composition:

Mn x 10^3	Mw/Mn (PDI)
5.5-b-1.9	1.15
Dp of each block: $s_{52}HEMA_{16}$ from ^{H}NMR	

Method of Synthesis: By anionic Living process



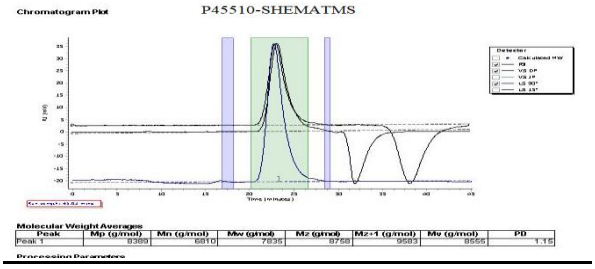
Solubility in different solvents

THF	√	DMF	√
CHCl3	×	Acetone	√
Toluene-Hot	×		

Purification of Polymer **By Soxhlet inToluene**

Validation of Architecture:

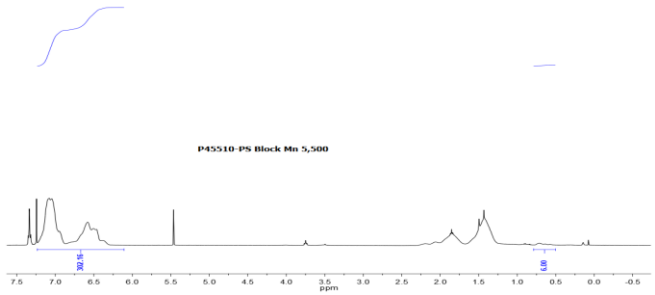
A. <u>Gel Permeation Chromatography (GPC), SEC- Profile</u>



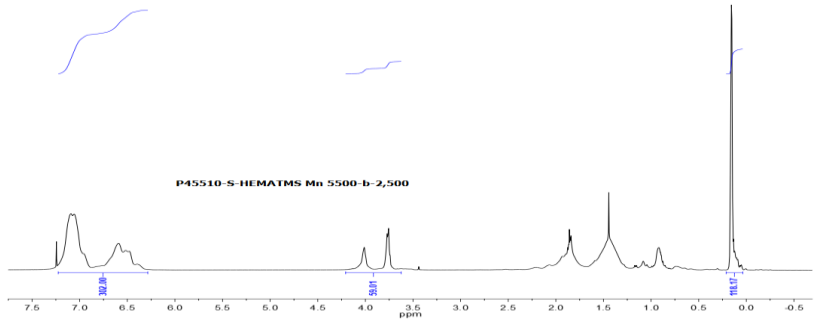
Mw/Mn by GPC and composition by HNMR

B. **NMR (HNMR) of polymer:**

A: Block of Polystyrene



B: Block of PS-b-HEMATMS



C: Final polymer S-b-HEMA run in Acetone

