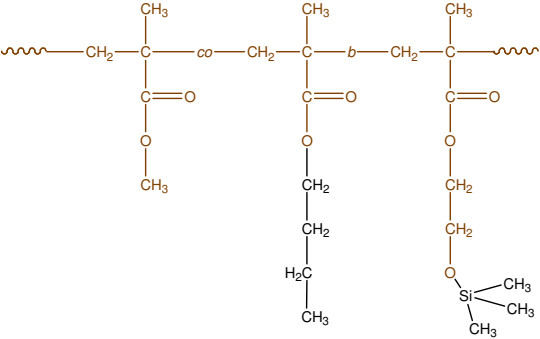


**Sample Name:**  
Poly(Methyl methacrylate –co-n-butyl methacrylate random -b-2-Trimethyl siloxy ethyl methacrylate)  
**Sample #:** P11499A-MMAAnBuMAran-b-HEMATMS  
**Structure:**



**Composition:**

Mn × 10 <sup>3</sup>	PDI
MMAAnBuMAran-b-HEMATMS	1.17
19.0-b-40.0	
MMA:nBuMA	60:40

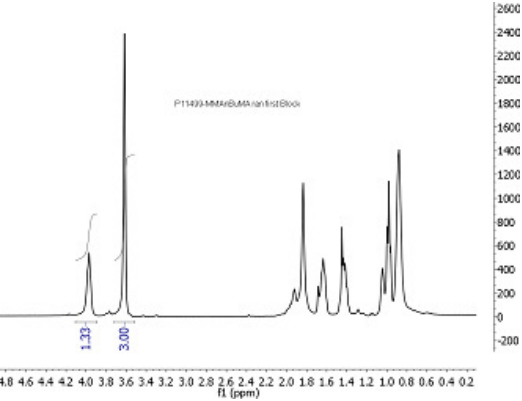
**Synthesis Procedure:**

Poly(methylmethacrylate-n-butyl methacrylate random-b-2-hydroxy ethyl methacrylate) block copolymer is synthesized by living anionic polymerization with sequential addition of a mixture of MMA and n-butyl methacrylate followed by adding protecting hydroxyl HEMA (trimethyl siloxy ethyl methacrylate monomer).

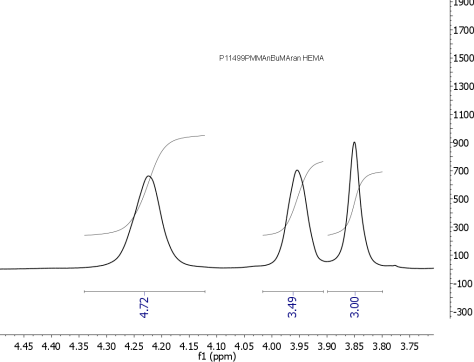
**Characterization:**

SEC analysis of the obtained block copolymer in THF and in DMF

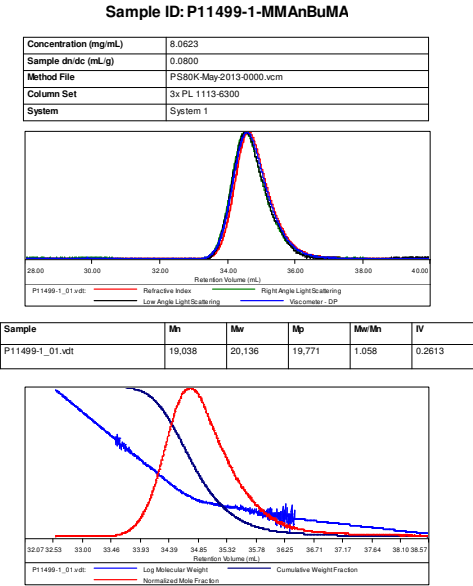
**<sup>1</sup>H NMR of the First Block**



**H-NMR Spectrum of the random copolymer:**



**SEC of the random copolymer:**



**Sample ID: P11499-MMAAnBuMAran HEMA TMS including High molecular fractions**

