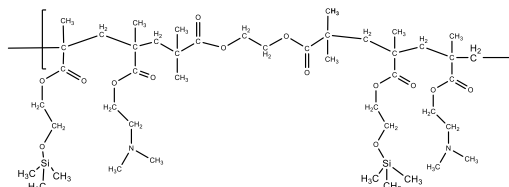


**Sample Name:** Poly(trimethylsiloxy-2-ethyl methacrylate-co-N,N-dimethylaminoethyl methacrylate)-b-PEG-b-Poly(trimethylsiloxy-2-ethyl methacrylate-co-N,N-dimethylaminoethyl methacrylate),random

**Sample #:** P43956-HEMATMSDMAEMA-EG-HEMATMSDMAEMA

**Structure:**



**Composition:**

Mn (g mol <sup>-1</sup> ) PEG Block	Mn total (g mol <sup>-1</sup> )	Mw/Mn
20.0	105.0	1.2
HEMATMS-DMAEMA-PEG-HEMATMS-DMAEMA DP: 209-33-b-454-b-209-33		

**Synthesis Procedure:**

The polymer is prepared by ATRP process using a,w-dibromo PEG.

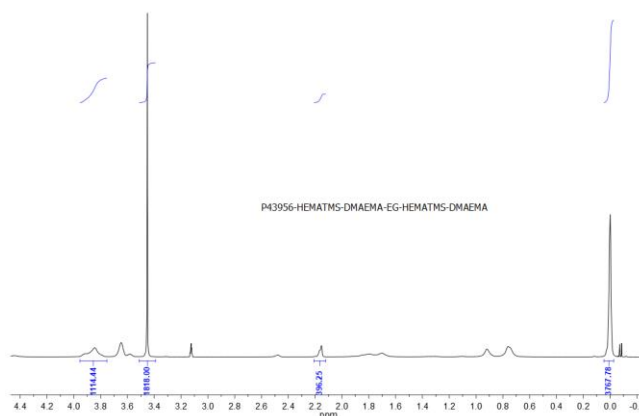
**Characterization:**

The molecular weight and polydispersity index (PDI) were calculated by SEC using water as an eluent. The copolymer composition was calculated from <sup>1</sup>H-NMR spectroscopy.

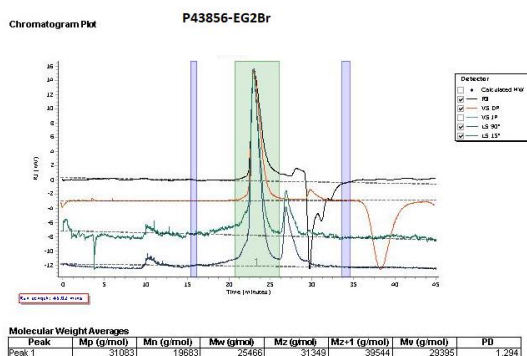
**Solubility:**

The polymer is soluble in water.

**<sup>1</sup>H-NMR Spectrum of Copolymer:**



**SEC elugram of the PEG Block:**



**SEC elugram of the random copolymer:**

