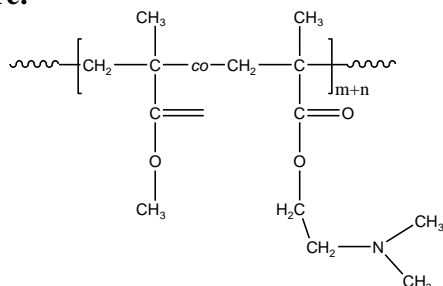


**Sample Name:** Random Copolymer Poly(methyl methacrylate-co-NN dimethyl amino ethylmethacrylate)

**Sample #:** P40729-MMADMAEMArAn

**Structure:**



**Composition:**

PMMA (68 mol%) :

Mn x 10 <sup>3</sup>	16.0
PMMA-co-DMAEMA	
PDI	1.07

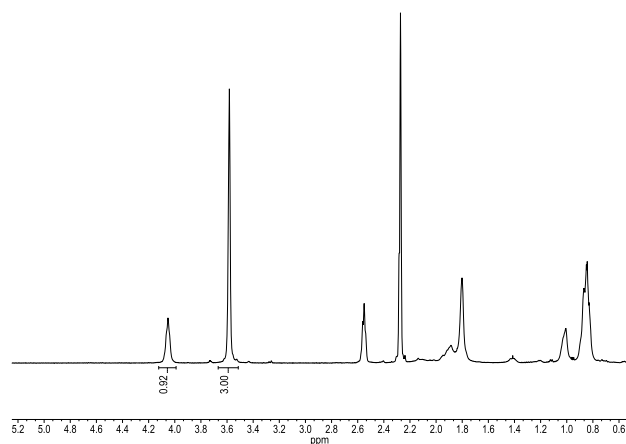
**Synthesis Procedure:**

The polymer was synthesized by anionic polymerization process.

**Characterization:**

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

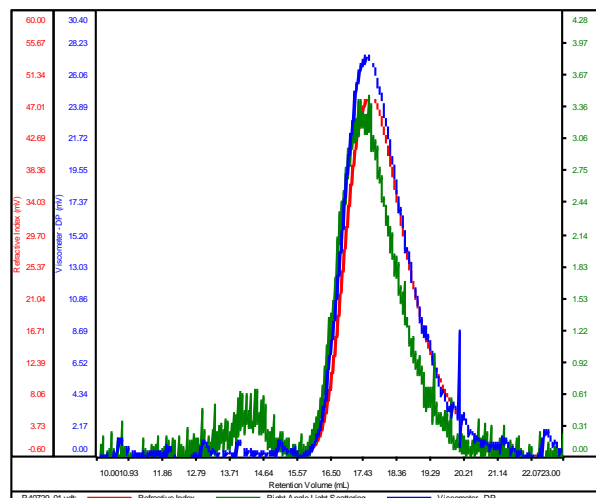
**<sup>1</sup>H-NMR Spectrum of the random copolymer:**



**SEC elugram of the random copolymer:**

P40729-MMADMAEMArAn

Conc	6.3860
dn/dc	0.0650
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS80k_2017-July-05-0000.vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40729_01.vdt	15,907	16,944	17,461	1.065	0.1048