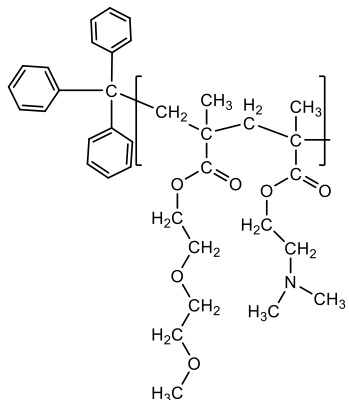Sample Name: **Poly(diethylene glycol methylether methacrylate–co–N,N-dimethylaminoethyl methacrylate), random**

Sample #: **P43859C-DEGMeOMADMAEMAran**

Structure:

Composition:

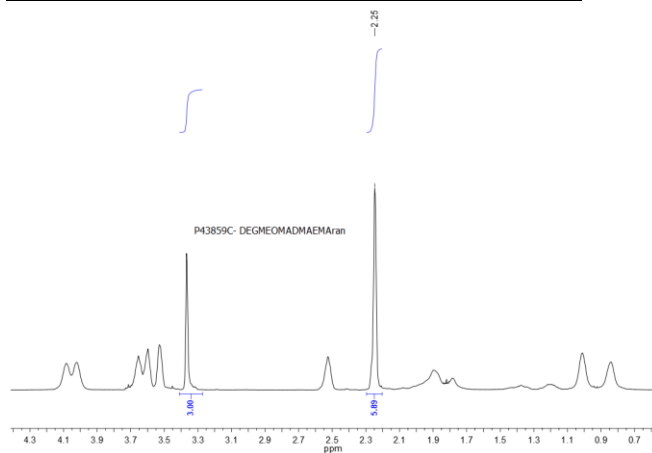| Mn x 10³ PDEGMeOMA–co–DMAEMA	Mw/Mn
13.0	3.0
PDEGMEOMA: (50 mol%)	

Synthesis Procedure:
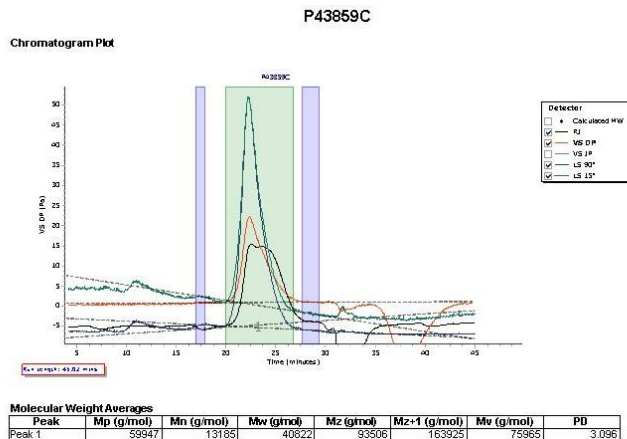The polymer was synthesized by anionic polymerization process.

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

¹H-NMR Spectrum of the random copolymer:

SEC elugram of the random copolymer:

Molecular Weight Averages

Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	59947	13185	40822	93506	163925	75965	3.096