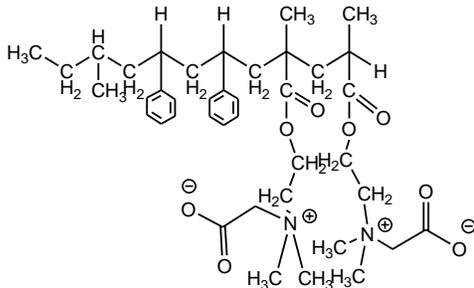


Sample Name: Zwitterionic block copolymer of Poly (styrene-*b*-*N,N*-dimethyl amino ethyl methacrylate) with bromoacetic acid
Dialyzed form

Sample #: P41665-SDMAEMAZ

Structure:

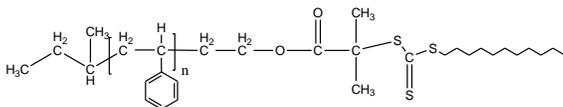


Composition:

Mn x 10 ³ S- <i>b</i> -DMAEMAZ	Mw/Mn (PDI)
11.5- <i>b</i> -22.0	1.14
T _g for PS block: 80°C	T _g for DMAEMA block: Not distinct
DP of each Block 110- <i>b</i> -21	

Synthesis Procedure:

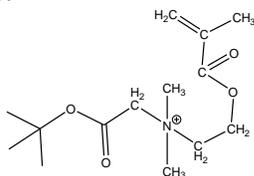
The polymer was synthesized by RAFT polymerization process using PS-RAFT macroinitiator (lot#P41656).



and the following monomer: 2-(*tert*-butoxy)-*N*-(2-(methacryloyloxy)ethyl)-*N,N*-dimethyl-2-oxoethanaminium.

Sample #: Zwitter ionic -1 Lot#: P41655

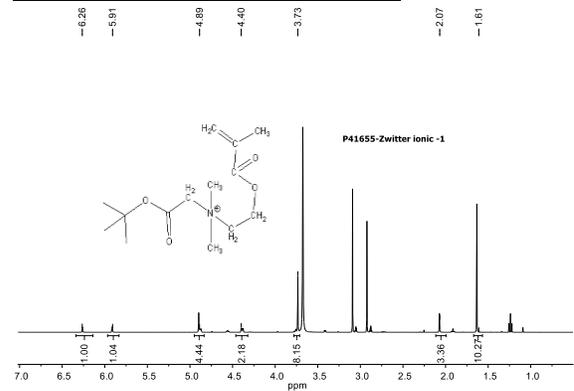
Structure:



2-(*tert*-butoxy)-*N*-(2-(methacryloyloxy)ethyl)-*N,N*-dimethyl-2-oxoethanaminium
Chemical Formula: C₁₄H₂₆NO₄⁺
Exact Mass: 272.19
Molecular Weight: 272.36

Composition: purity ≥ 97% (from NMR)

¹H NMR of the monomer used:

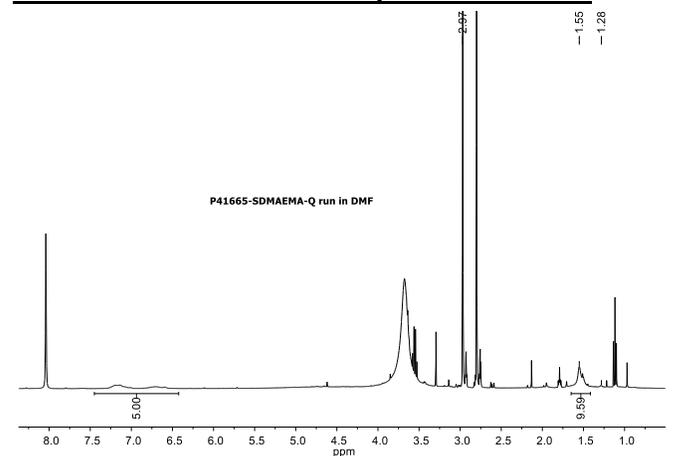


Characterization:

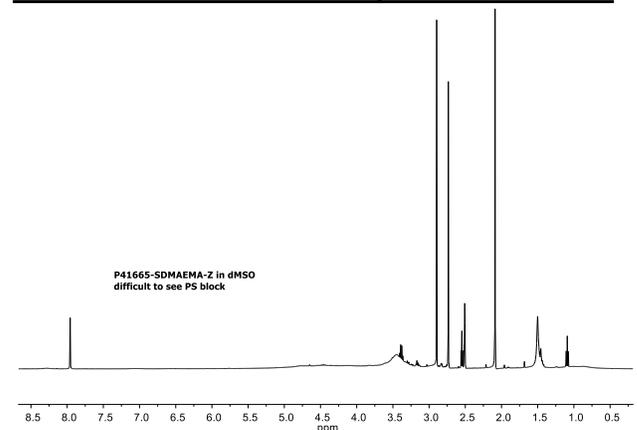
The product was characterized by size exclusion chromatography (SEC) and ¹H NMR.

¹H NMR spectrum of the block copolymer carried out in DMF:

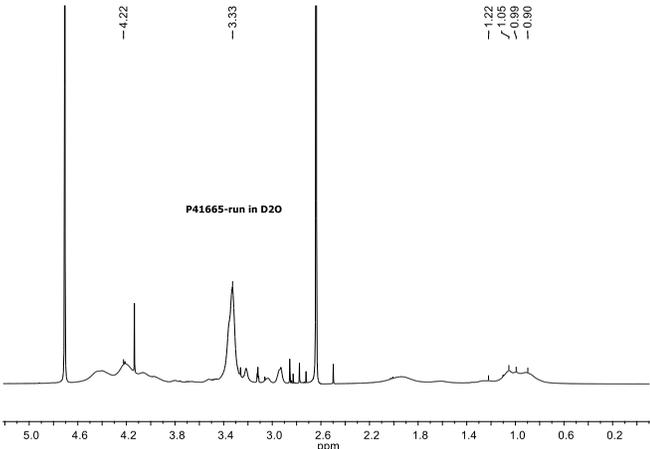
HNMR of SDMAEMAZ sample runs in DMF:



HNMR of SDMAEMAZ sample runs in DMSO:



HNMR of the sample runs in D2O:



HNMR of the sample after Lyophilization from water:

