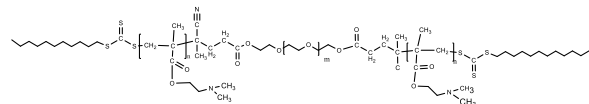


Sample Name:

Poly(N,N-dimethylamino ethyl methacrylate)-b-poly(ethylene oxide)-b-poly(N,N-dimethylamino ethyl methacrylate)

Sample #: P43969-DMAEMAEODEAEMA

Structure:

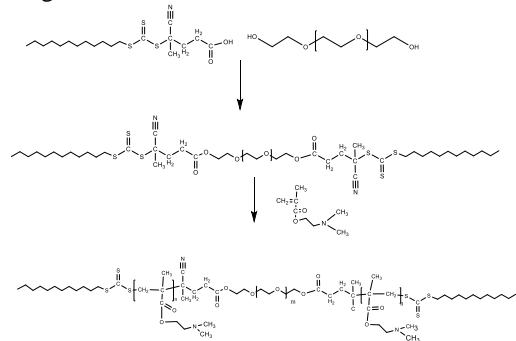


Composition:

Mn x 10 ³	PDI
PDMAEMA-b-EO-DEAEMA	
13.0-b-10.0-13.0	1.29

Synthesis Procedure:

RAFT terminated Poly(ethylene glycol) was prepared by reaction of OH terminated PEG with RAFT reagent.



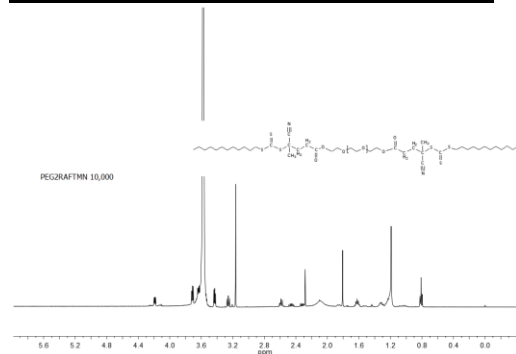
Characterization:

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

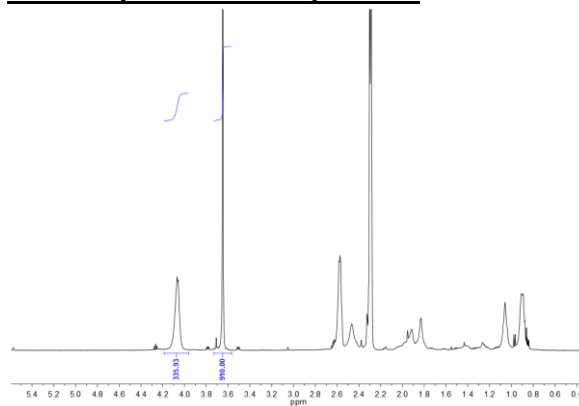
Solubility:

Polymer is soluble in water, methanol, ethanol, THF.

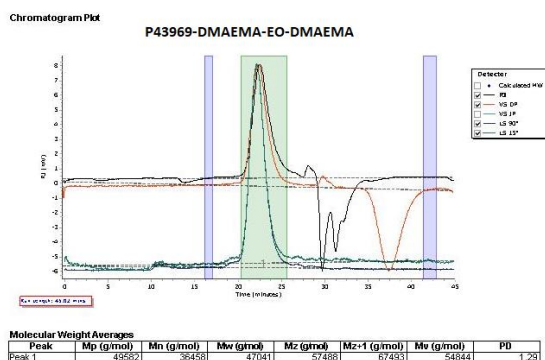
H NMR spectrum of the PEG-2RAFT:



HNMR spectrum of the product:



SEC profile of the Sample:



Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mw (g/mol)	PDI
Peak 1	49582	36455	47041	57488	67493	54544	1.29