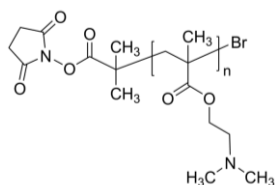


Sample Name: Poly(N,N-dimethylaminoethyl methacrylate), α -(N-hydroxysuccinimidyl)-terminated

Sample #: P60703C-DMAEMA-NHS

Structure:

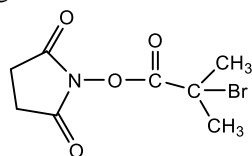


Composition:

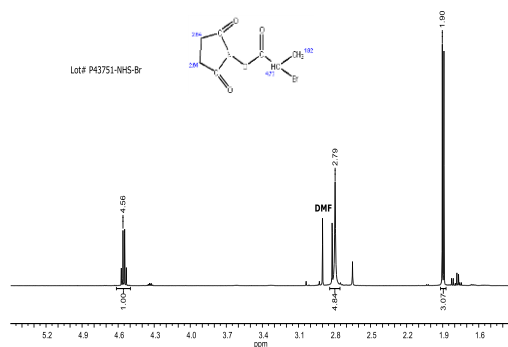
$M_n \times 10^3$	PDI
42.0	1.4

Synthesis Procedure:

The polymer was synthesized by ATRP polymerization process using following ATRP Reagent:



^1H NMR spectrum of ATRP (400 MHz, CDCl_3):



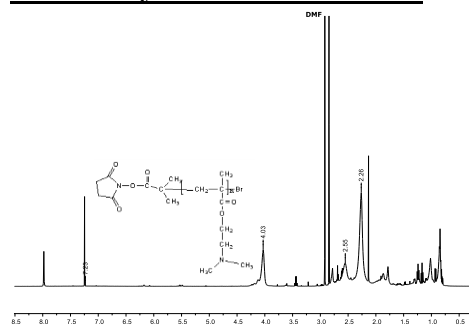
Characterization:

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

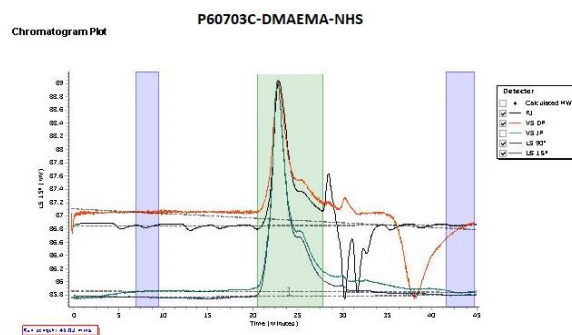
Solubility:

Polymer is soluble in water.

HNMR spectrum of the monomer run
 CdCl_3 Poly NNDMAEMA-NHS:



SEC elugram of the Sample:



Peak	M_p (g/mol)	M_n (g/mol)	M_w (g/mol)	M_z (g/mol)	M_z+1 (g/mol)	M_v (g/mol)	PDI
Peak 1	75346	41377	59454	72651	82040	72483	1.416

FTIR spectrum of the Sample:

