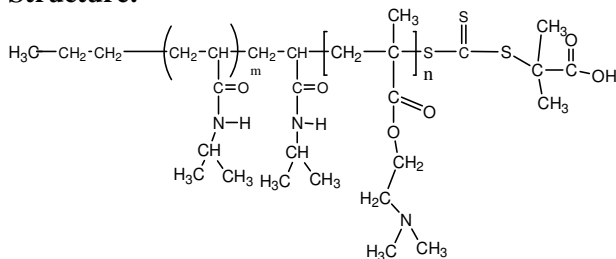


Sample Name:

Poly(N-isopropylacrylamide -b- NN-dimethylaminoethylmethacrylate)

Sample #: **P16068C5-NIPAMDMAEMA**

Structure:



Composition:

Mn x 10 ³ PNIPAM-b-NNDMAEMA	25.0-b-77.0
PDI	1.6

Dp for each block PNIPAM-b-NNDMAEMA	221-b-490
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Synthesis Procedure: Poly(N-isopropylacrylamide -b- NN-dimethylaminoethylmethacrylate) was synthesized by RAFT polymerization.

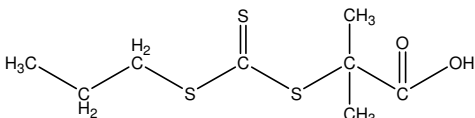
Characterization:

The molecular weight and polydispersity index (PDI) of diblock copolymer were obtained by size exclusion chromatography (SEC). The composition of the polymer was characterized by NMR.

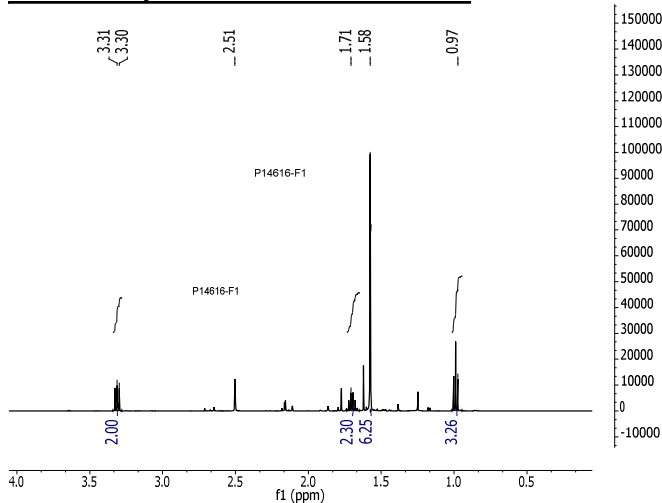
Solubility:

The polymer is soluble in THF, DMF, Acetone.

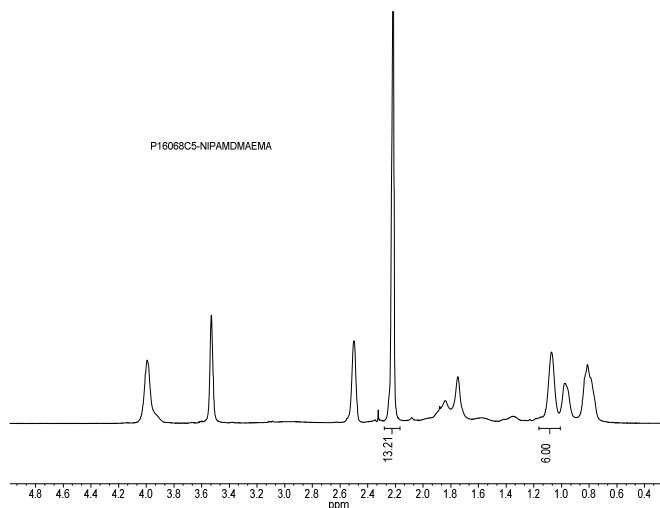
RAFT reagent used for polymerization:



¹H NMR Spectrum of the first block:



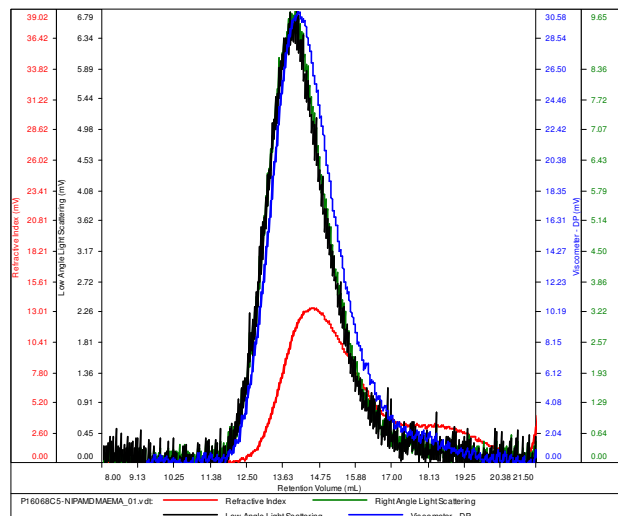
¹H NMR Spectrum of the block copolymer:



SEC elugram of the polymer:

P16068-C5-NIPAMDMAEMA

Conc (mg/mL)	1.6531
dn/dc (mL/g)	0.0800
Method	PS80k-May-25-2016-0000.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P16068C5-NIPAMDMAEMA_01.vdt	101,982	167,886	155,786	1.646	0.4848