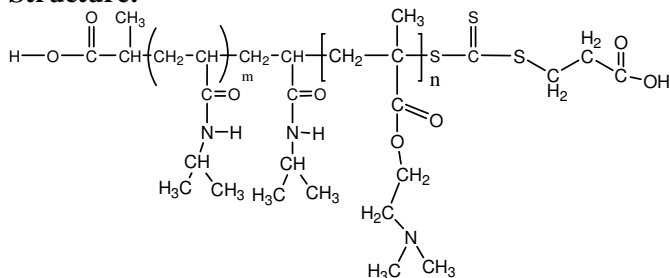


Sample Name:

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

Sample #: **P16057D-NIPAMDMAEMA**

Structure:



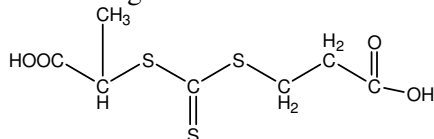
Composition:

Mn x 10 ³ PNIPAM-b-NNDMAEMA	PDI
3.0-b-24.0	1.18

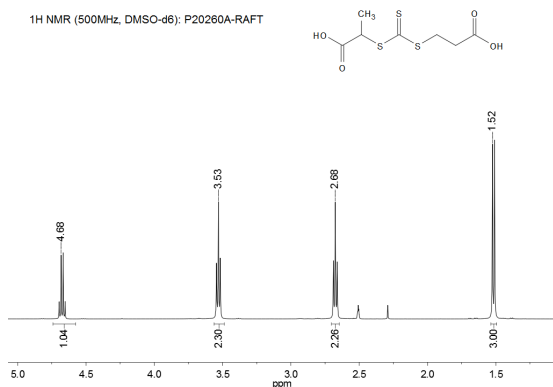
Dp for each block :
27-b-153

Synthesis Procedure: The polymer was synthesized by RAFT process.

RAFT reagent used :



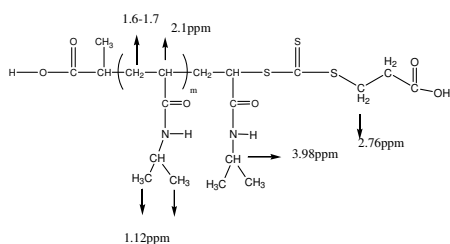
¹H NMR spectrum of the RAFT reagent:



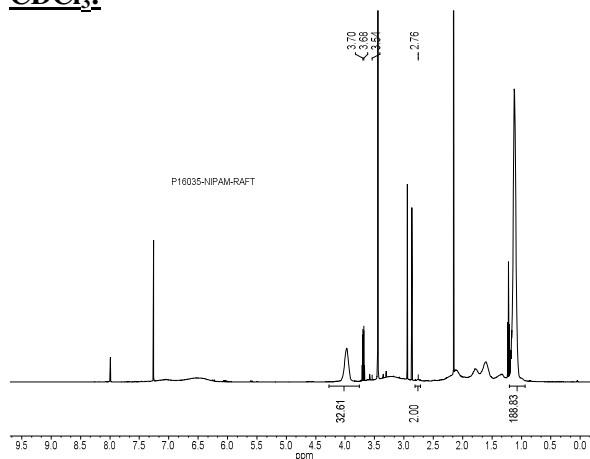
Characterization:

The polymer was characterized by SEC and ¹H NMR.

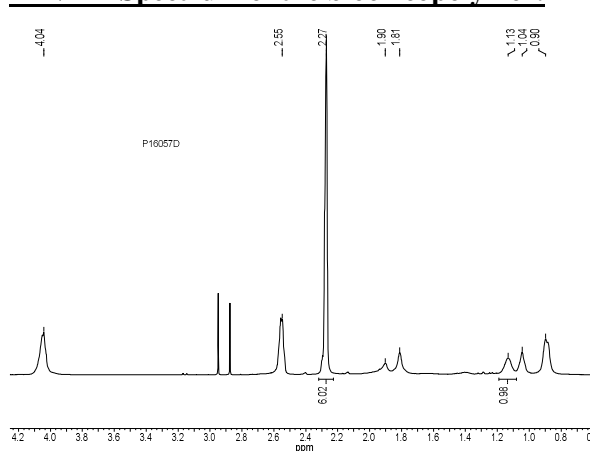
Solubility: The polymer is soluble in THF, DMF, Acetone.



¹H NMR spectrum of the PNIPAM-Macroinitiator in CDCl₃:



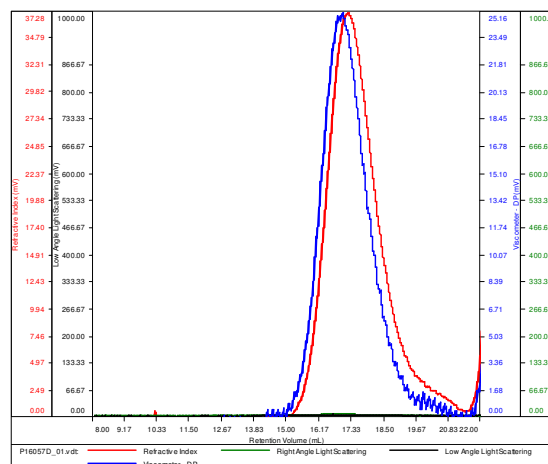
H-NMR Spectrum of the block copolymer:



SEC of the block copolymer:

P16057D-NIPAMDMAEMA

Conc (mg/mL)	3.5885
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
P16057D_01.vdt	26,962	31,990	29,644	1.186	0.1528