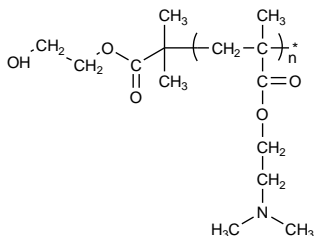


Sample Name:
Poly-(NN-dimethylaminoethylmethacrylate)

Sample #: **P16059-DMAEMA**

Structure:



Composition:

Mn x 10 ³	98.0
PDI	1.37

Synthesis:

Poly(N,N-dimethylaminoethyl methacrylate) was synthesized by atom transfer radical polymerization.

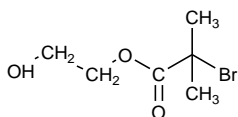
Characterization:

The molecular weight and polydispersity index (PDI) of Poly(N,N-dimethylaminoethyl methacrylate) were obtained by size exclusion chromatography (SEC).

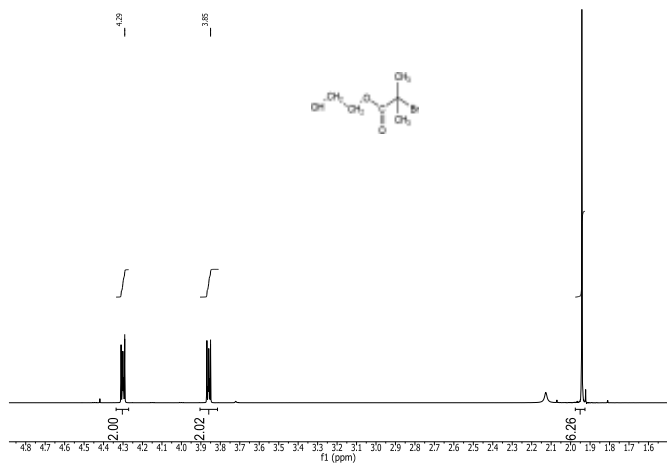
Solubility:

The polymer is soluble in THF, DMF, Acetone.

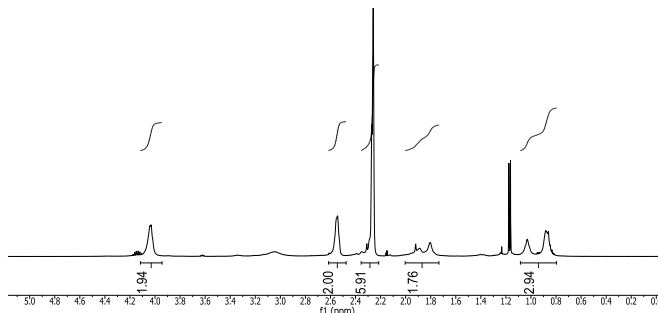
ATRP reagent used for polymerization:



¹H NMR spectrum of the ATRP reagent in CDCl₃:



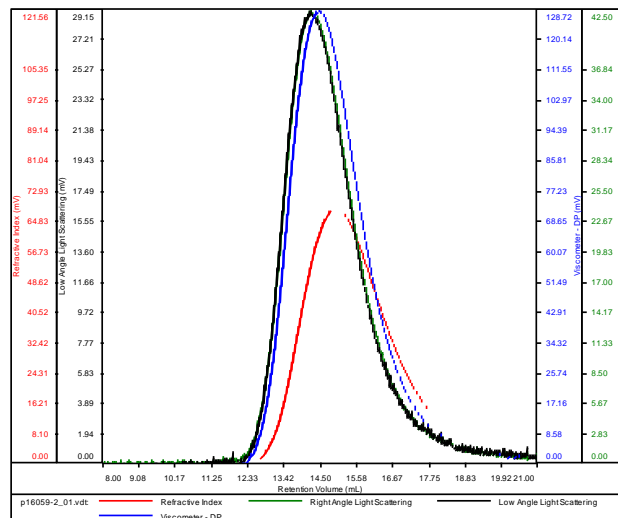
¹H NMR Spectrum of the homopolymer P16059:



SEC elugram of the polymer:

P16059-DMAEMA

Conc (mg/mL)	8.6766
dn/dc (mL/g)	0.0800
Method	PS80k-July22-2016-0000.vcm
Solvent	DMF w0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
p16059-2_01.vct	97,784	133,631	127,764	1.367	0.4139