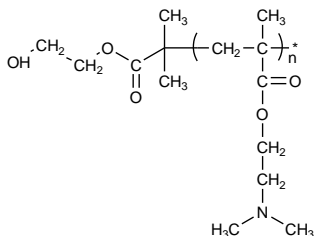


Sample Name:  
**Poly-(N,N-dimethylaminoethyl methacrylate)**

Sample #: **P16061-DMAEMA**

**Structure:**



**Composition:**

Mn x 10 <sup>3</sup>	107.0
PDI	1.26

**Synthesis:**

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

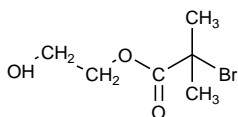
**Characterization:**

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

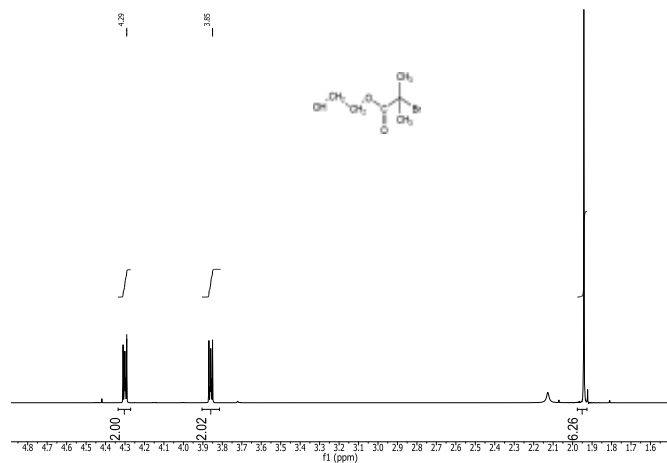
**Solubility:**

The polymer is soluble in THF, DMF, and Acetone.

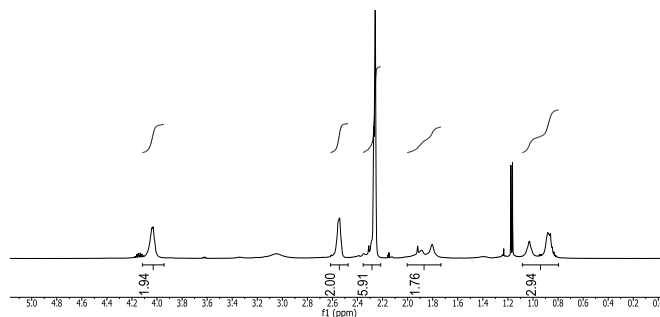
**ATRP reagent used for polymerization:**



**<sup>1</sup>H NMR spectrum of the ATRP reagent in CDCl<sub>3</sub>:**



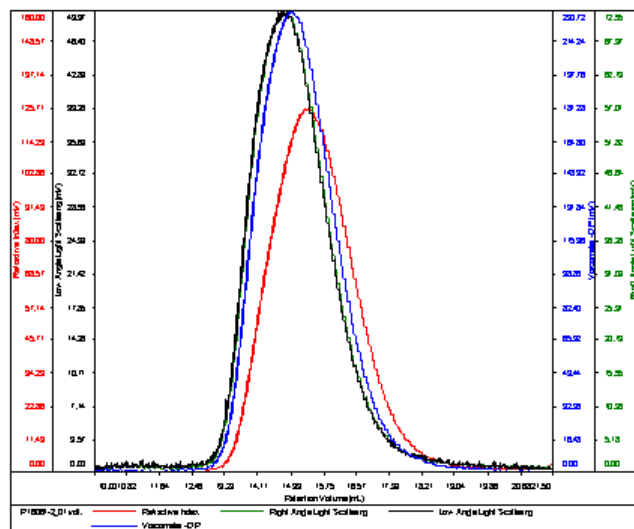
**<sup>1</sup>H NMR Spectrum of the homopolymer**



**SEC elugram of the polymer:**

**P16061-2- DMAEMA**

Conc (mg/mL)	13.3600
dn/dc (mL/g)	0.0870
Method	PS800-May-25-2016-0000.ucm
Solvent	DMF w/ 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P 16061-2_01.vdt	106,938	135,642	126,333	1.268	0.4378