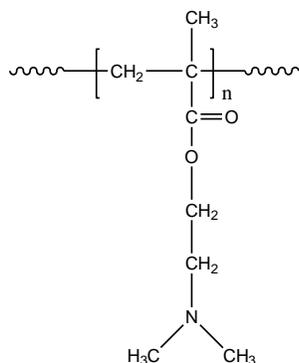


Sample Name:
Poly(N,N-dimethylaminoethyl methacrylate)

Sample #: **P18442-DMAEMA**

Structure:

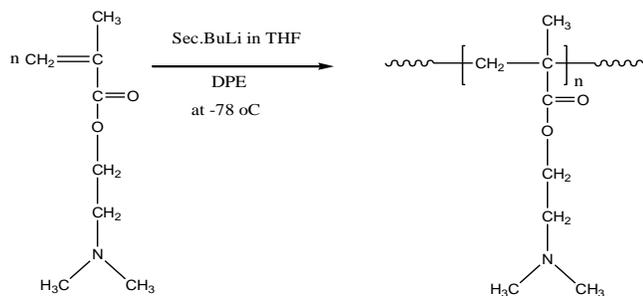


Composition:

$M_n \times 10^3$	PDI
6.5	1.56

Synthesis Procedure:

The polymer was synthesized by living anionic polymerization of dimethylaminoethyl methacrylate. The scheme of reaction is shown below:



Characterization:

The molecular weight and polydispersity index (PDI) of the polymer are obtained by size exclusion chromatography in THF.

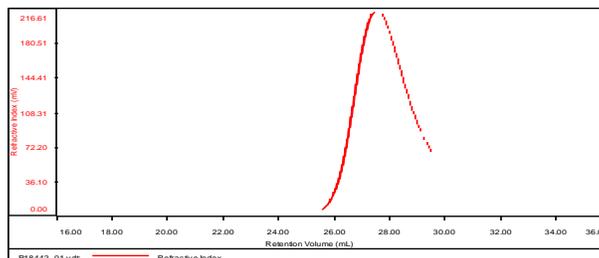
Solubility:

Polymer is soluble in chloroform, THF and DMF, precipitated in hexane.

SEC of Homopolymer:

P18442-DMAEMA

Concentration (mg/mL)	16.8711
Sample dn/dc (mL/g)	0.0840
Method File	PS99K-May-2018-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mn (Da)	Mw (Da)	Mw/Mn	IV (dL/g)	Mp (Da)
P18442_01.vcl	6,649	10,376	1.560	0.1101	10,426