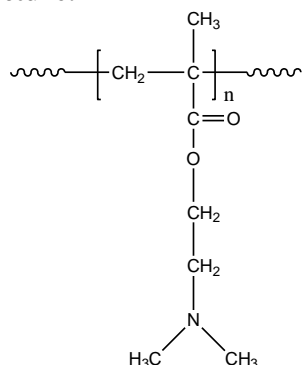


Sample Name:  
**Poly(N,N-dimethylaminoethyl methacrylate)**

Sample #: **P18442-DMAEMA**

**Structure:**

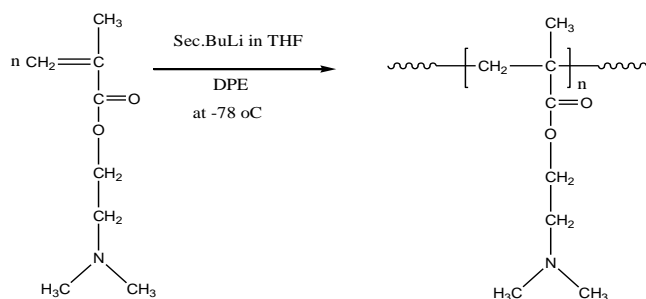


**Composition:**

$M_n \times 10^3$	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.

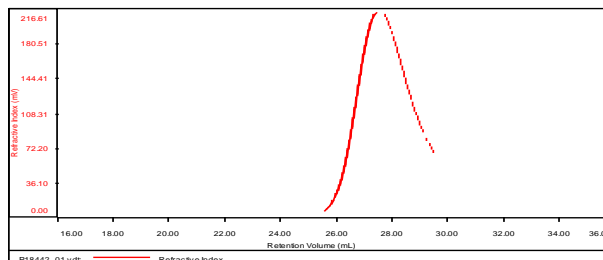
**Solubility:**

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.vdt	6,649	10,376	1.560	0.1101	10,426