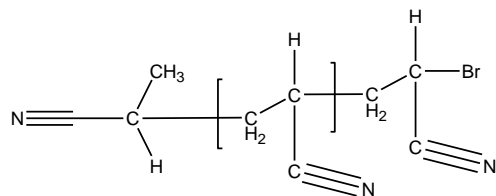


Sample Name: Poly (Acrylonitrile)

Sample #: P16104B-AN

Structure:



Composition:

$M_n \times 10^3$	Mw/Mn (PDI)
5.5	1.25

Synthesis Procedure:

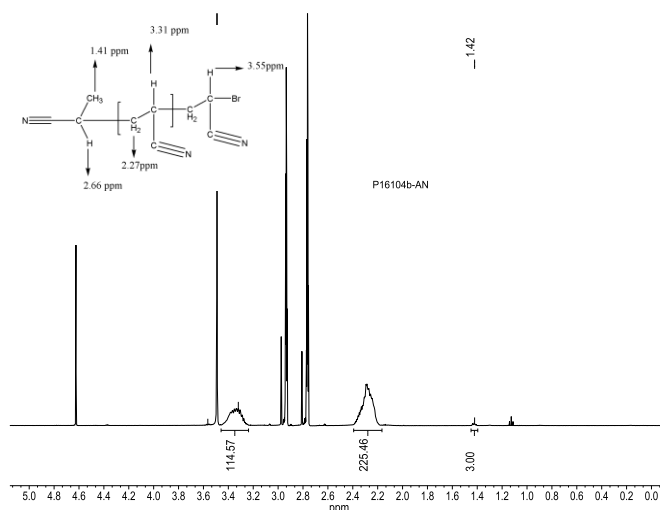
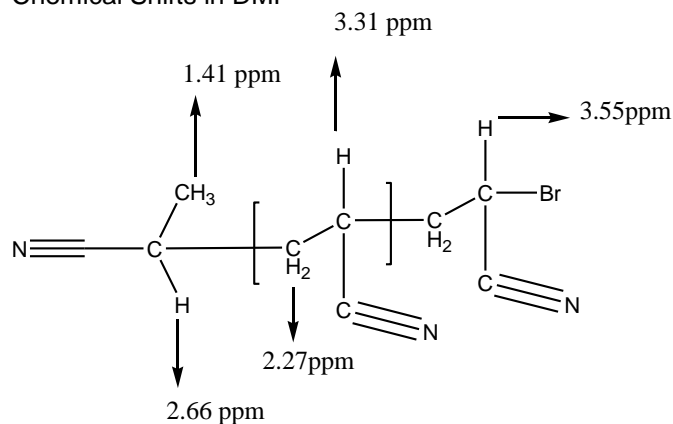
Polymer was synthesized by controlled radical process using 2-bromopropionitrile as initiator.

Solubility:

Polymer is soluble in DMF.

¹H NMR spectrum of the Polymer in DMF:

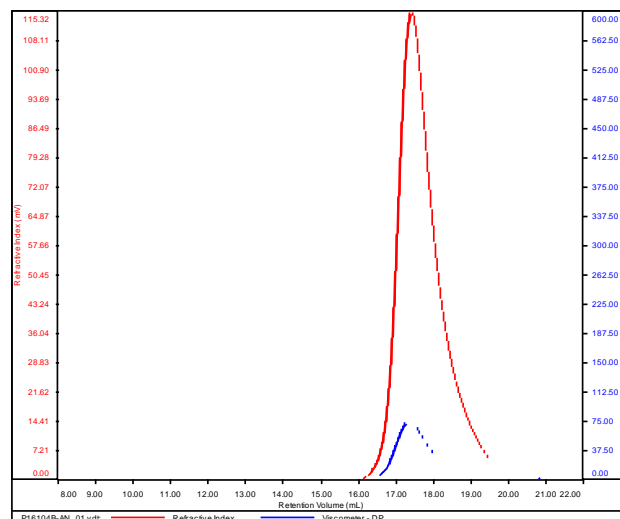
Chemical Shifts in DMF



SEC elugram of the polymer:

P16104B-AN

Conc (mg/mL)	3.1539
dn/dc (mL/g)	0.1650
Method	PS80k-May-25-2016-0000.vcm
Solvent	DMF w/0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P16104B-AN_01.vdt	5,319	6,672	4,759	1.254	0.6275