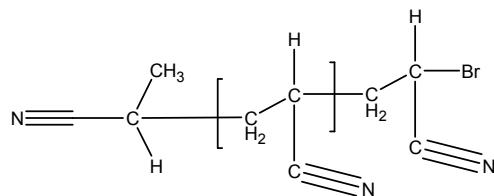


**Sample Name:** Poly (Acrylonitrile)

**Sample #:** P16104A-AN

**Structure:**



**Composition:**

$M_n \times 10^3$	Mw/Mn (PDI)
3.5	1.28

**Synthesis Procedure:**

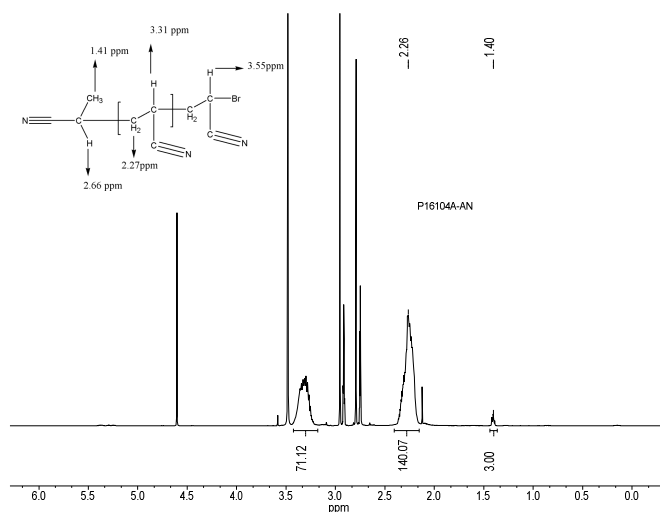
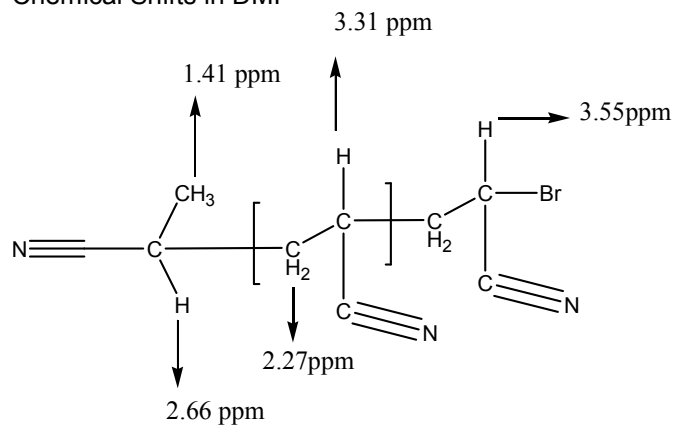
Polymer was synthesized by controlled radical process using 2-bromopropionitrile as initiator.

**Solubility:**

Polymer is soluble in DMF.

**$^1\text{H}$  NMR spectrum of the Polymer in DMF:**

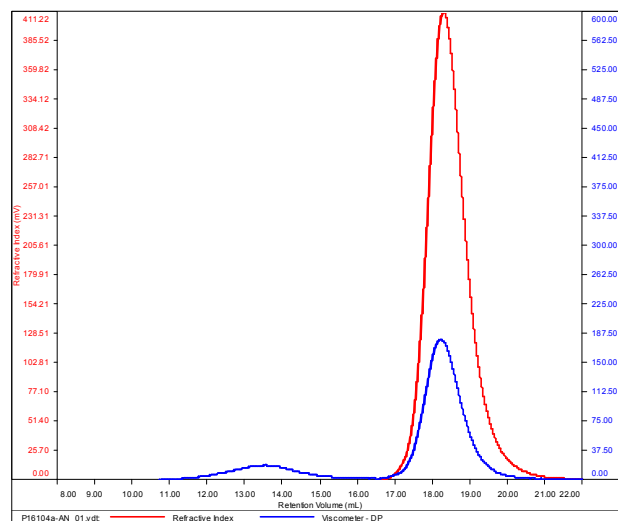
Chemical Shifts in DMF



**SEC elugram of the polymer:**

**P16104A-AN**

Conc (mg/mL)	11.1690
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
P16104a-AN_01.vdt	3,245	4,162	2,868	1.283	0.4395