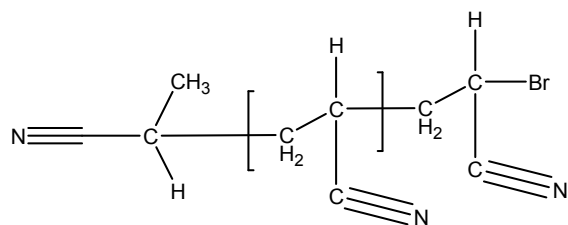


Sample Name: Poly (Acrylonitrile)

Sample #: P16104D-AN

**Structure:**



**Composition:**

Mn × 10 <sup>3</sup>	Mw/Mn (PDI)
11.5	1.15

**Synthesis Procedure:**

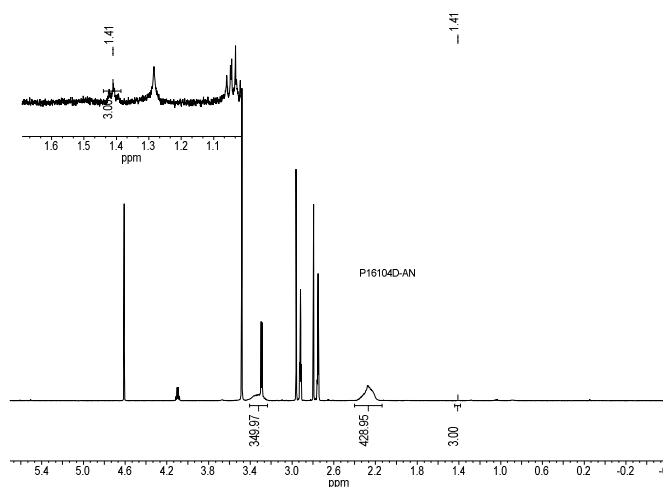
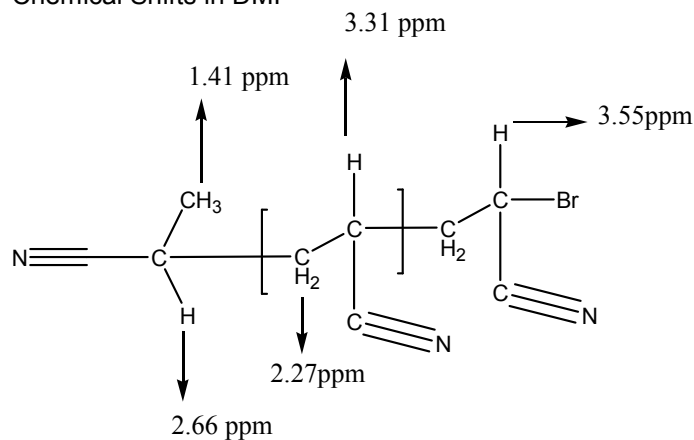
Polymer was synthesized by controlled radical process using 2-bromopropionitrile as initiator.

**Solubility:**

Polymer is soluble in DMF.

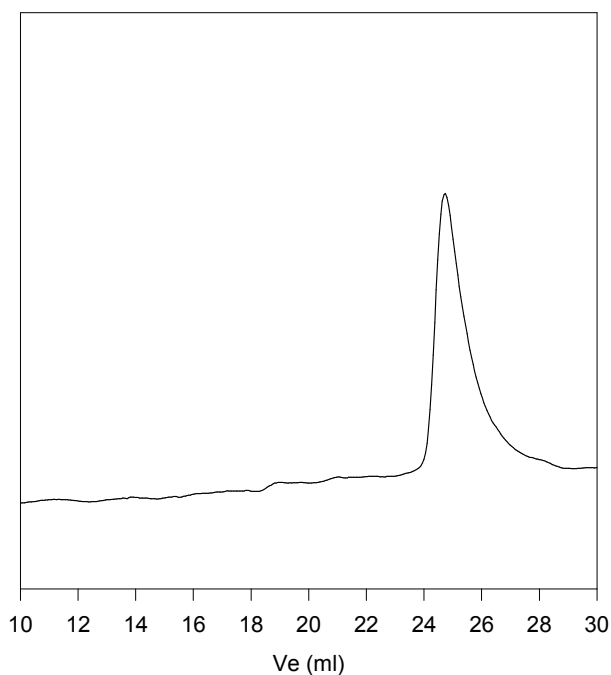
**<sup>1</sup>H NMR spectrum of the Polymer in DMF:**

Chemical Shifts in DMF



**SEC elugram of the polymer:**

**P16104D-AN**



Size exclusion chromatograph of Polymer:

M<sub>n</sub>=11,500 M<sub>w</sub>=13,200 PI=1.15