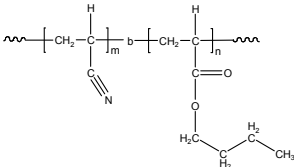


Sample Name: Poly (Acrylonitrile-b-nButylacrylate)

Sample #: P16196-ACNnBuA

Structure:



Composition:

$Mn \times 10^3$ ACN-b0-nBuA	Mw/Mn (PDI)
9.0-b-22.0	1.14

Synthesis Procedure:

Polymer is prepared by controlled radical process.

Characterization:

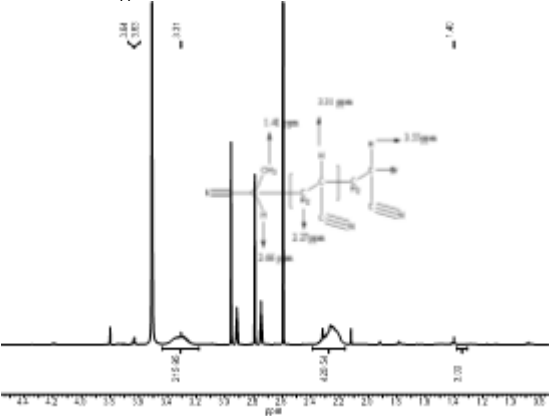
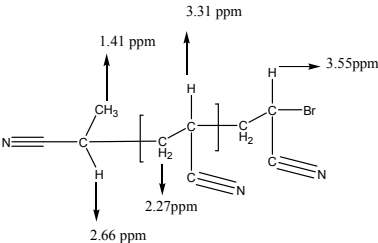
The polymer was characterized by 1H NMR and size exclusion chromatography (SEC) using DMF as an eluant.

Solubility:

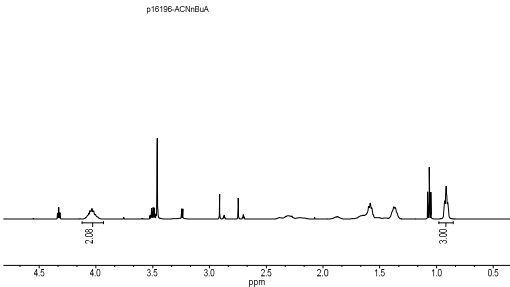
Polymer is soluble in DMF, and precipitated in methanol and hexanes.

1H NMR spectrum of the PACN-Br:

Chemical Shifts in DMF



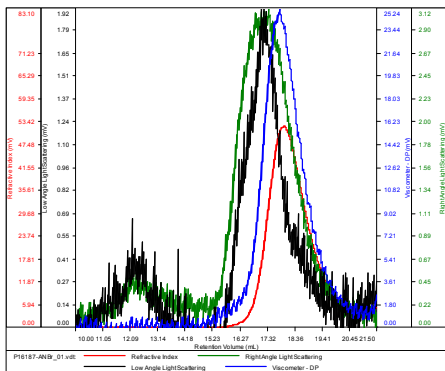
1H NMR spectrum of the Product:



SEC elugram of the PACN-Br:

P16187-ACN-Br

Conc	6.3757
dn/dc	0.0920
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS80k-Merch2017-0002.vcm

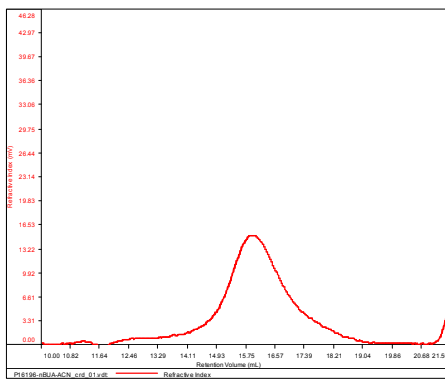


Sample	Mn	Mw	Mp	Mw/Mn	IV
P16187-ANBr_01.vdt	9,315	14,508	9,223	1.557	0.0783

SEC elugram of the Product in DMF:

P16196-ACNnBuA

Conc	2.3526
dn/dc	0.0820
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS80k-Merch2017-0002.vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
P16196-nBuA-ACN_cnd_01.vdt	31,055	35,400	24,742	1.140	0.3356