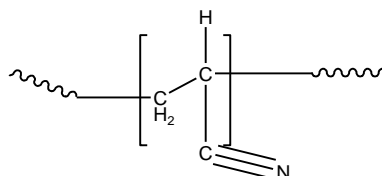


Sample Name: Poly (Acrylonitrile)

Sample #: P41145-AN

**Structure:**



**Composition:**

$M_n \times 10^3$	$M_w/M_n$ (PDI)
478.5	1.2

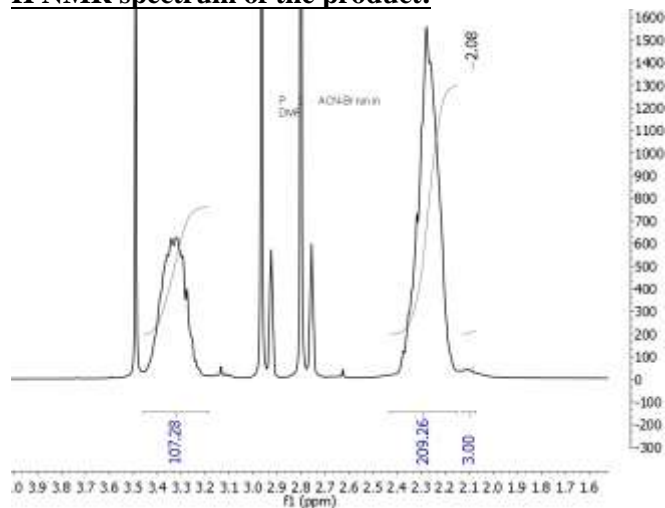
**Synthesis Procedure:**

Polymer is prepared by combination of a controlled radical process using 2-bromopropionitrile as initiator in ethylene carbonate as solvent.

**Solubility:**

Polymer is soluble in DMF.

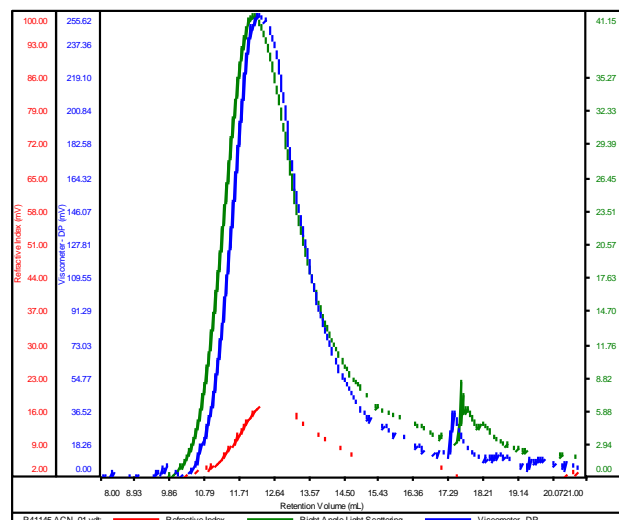
**$^1H$  NMR spectrum of the product:**



**SEC elugram of the polymer carried out in DMF:**

P41145-ACN

Conc	2.4253
dn/dc	0.0920
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS-80k_2018-04-02-0000.vcm



Sample	$M_n$	$M_w$	$M_p$	$M_w/M_n$	IV
P41145-ACN_01.vdt	478,555	580,151	659,760	1.212	2.9779