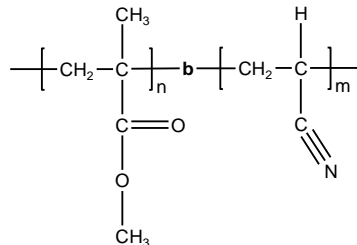


Sample Name:
Poly (Methylmethacrylate-b-Acrylonitrile)

Sample #: **P41230-MMAACN**
PMMA block rich in Syndiotactic fraction

Structure:



Composition:

Mn × 10 ³ MMA-b-ACN	Mw/Mn (PDI)
14.0-b-11.0	3.3

Color : ivory

Synthesis Procedure:

The polymer is prepared by anionic polymerization process. First MMA followed by addition of ACN monomer.

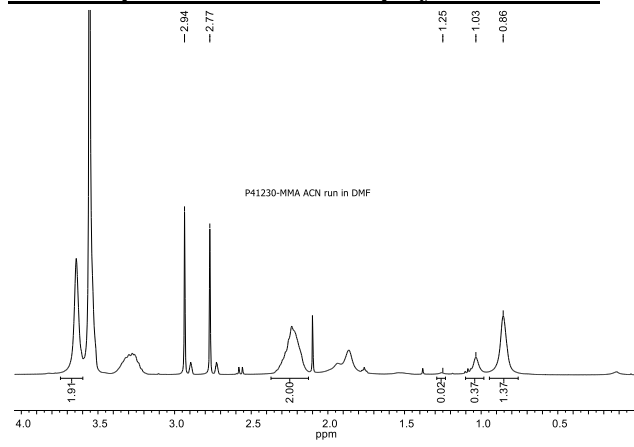
Characterization:

The polymer was characterized by size exclusion chromatography (SEC) in DMF and ¹H NMR.

Solubility:

Polymer is soluble DMF and precipitated in methanol and hexanes.

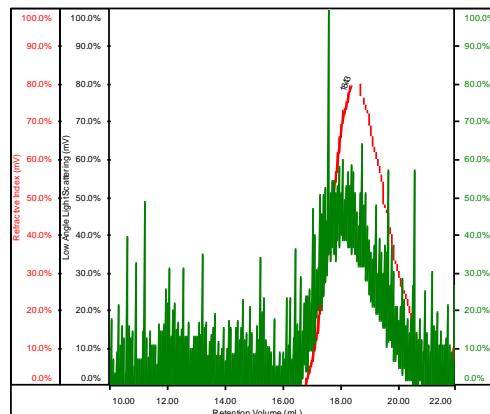
HNMR spectrum of Block Copolymer in DMF:



SEC elugram of the PMMA block:

P41230--MMA

Conc	1.7058
dn/dc	0.0650
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS99k_2018-05-30-0000.vcm

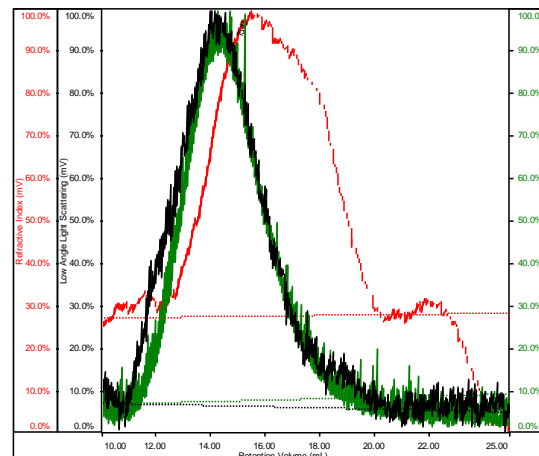


Sample	Mn	Mw	Mp	Mw/Mn	IV
P41230-1_01.vdt	14,183	16,040	14,238	1.131	0.2337

SEC elugram of the Sample:

P41203-MMA ACN

Conc	2.2575
dn/dc	0.0900
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS99k_2018-05-30-0000.vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
P41230_01.vdt	25,559	85,937	88,182	3.362	2.0672