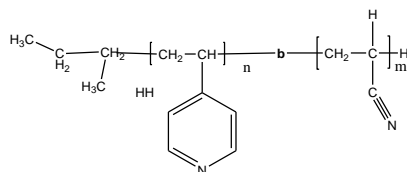


Sample Name: Poly (4-vinyl pyridine-b-acrylonitrile)

Sample #: P41227-4VPACN

Structure:



Composition:

Mn x 10 ³ 4VP-ACN	Mw/Mn (PDI)
15.5-b-22.0	2.5
T _g	100 °C

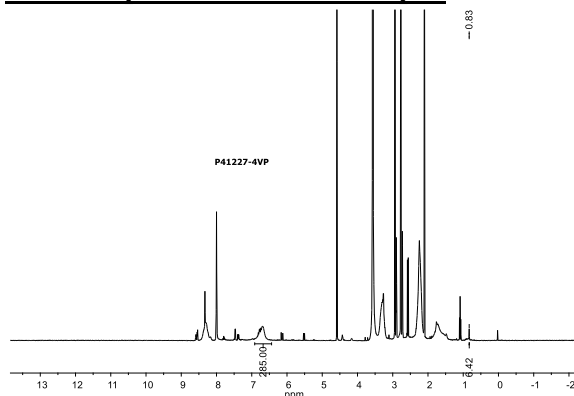
Synthesis Procedure:

Poly(4-vinyl pyridine-b-acrylonitrile) is obtained by living anionic polymerization process.

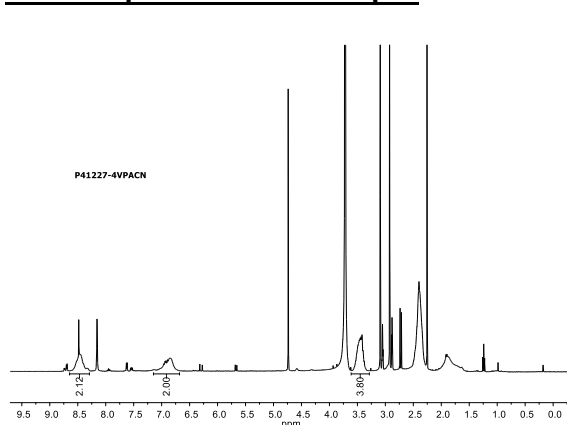
Characterization:

The product was characterized by size exclusion chromatography (SEC), ¹H NMR and FTIR.

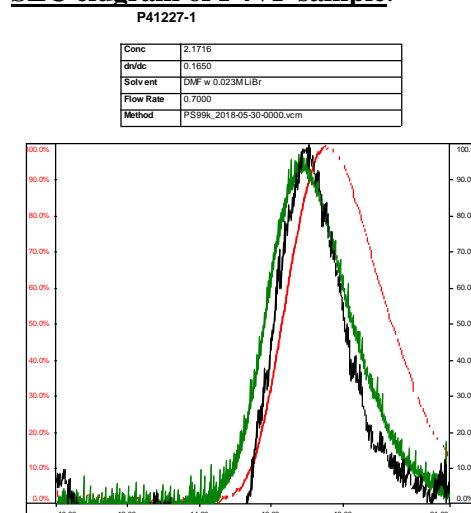
¹H NMR spectrum of P4VP sample:



¹H NMR spectrum of the Sample:

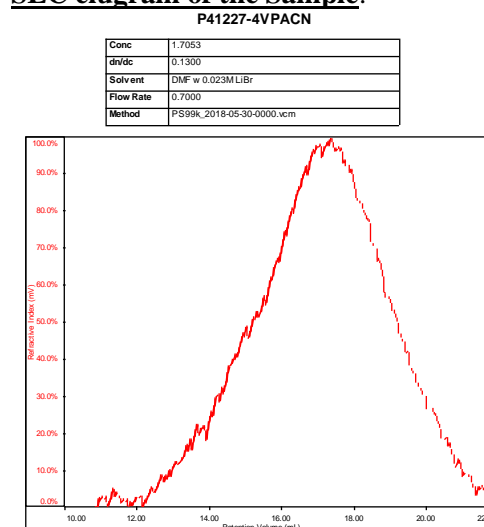


SEC elugram of P4VP sample:



Sample	Mn	Mw	Mp	Mw/Mn	IV
P41227-4VP_01.vdt	15,410	21,395	20,951	1.388	0.3972

SEC elugram of the Sample:



Sample	Mn	Mw	Mp	Mw/Mn	IV
P41227-2_01(69).vdt	37,957	93,864	32,614	2.473	2.3825

DSC thermogram (2nd heating scan, 10°C/min):

