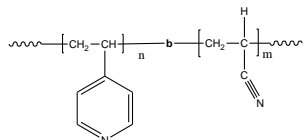


Sample Name:

Poly (4-vinyl pyridine-b-acrylonitrile)

Sample #: **P41491-4VPACN**

Structure:



Composition:

Mn x 10 ³ 4VP-ACN	Mw/Mn (PDI)
51.0-b-230.0	1.22

Color of the polymer	Brown color
T _g	100 °C

Procedure:

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

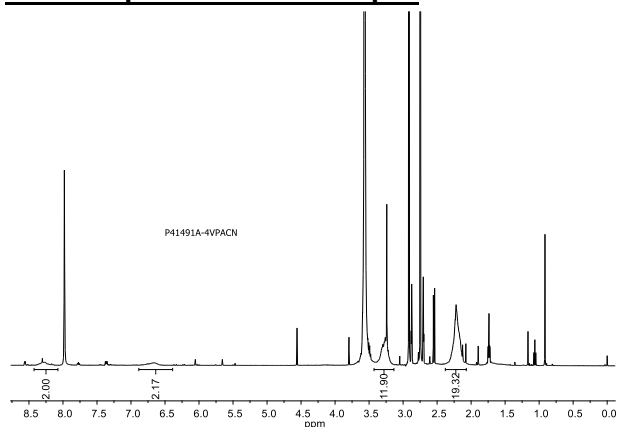
Characterization:

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

Solubility:

It is soluble in DMF (10 mg in 10 ml of DMF). Initially it will swell in DMF and a light brown solution formed by stirring for 3-4h at room temperature.

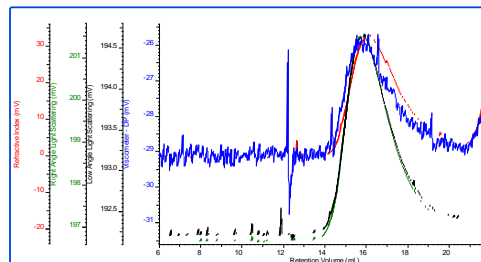
H NMR spectrum of the Sample:



SEC elugram of 4VP block:

P41491-4VP

dn/dc	0.1530
Flow	0.7000
Solvent	DMF with LiBr
Method	PSS

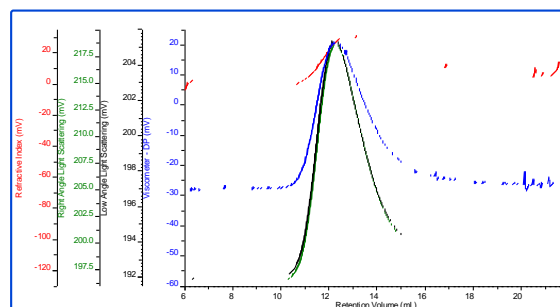


Sample	Mn	Mw	Mz	IV	Mw/Mn
P41491-4VP_1_2018	50,775	54,664	60,773	0.3230	1.077

SEC elugram of the Sample:

P41491-4VPACN

dn/dc	0.1300
Flow	0.7000
Solvent	DMF with LiBr
Method	PSS



Sample	Mn	Mw	Mz	IV	Mw/Mn
P41491-4VP-ACN_1	280,017	341,014	425,234	3.0282	1.218

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

Sample: P41227-4VPACN
Size: 9.4000 mg

File: P41227_4VPACN.001

