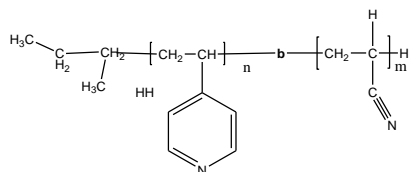


Sample Name:
Poly (4-vinyl pyridine-b-acrylonitrile)

Sample #: **P41525-4VPACN**

Structure:

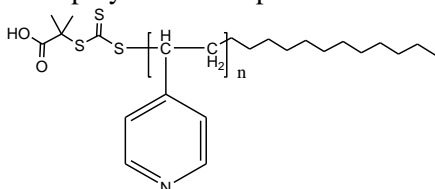


Composition:

Mn x 10 ³ 4VP-ACN	Mw/Mn (PDI)
27.0-b-37.0	1.28
Tg	100 °C

Synthesis Procedure:

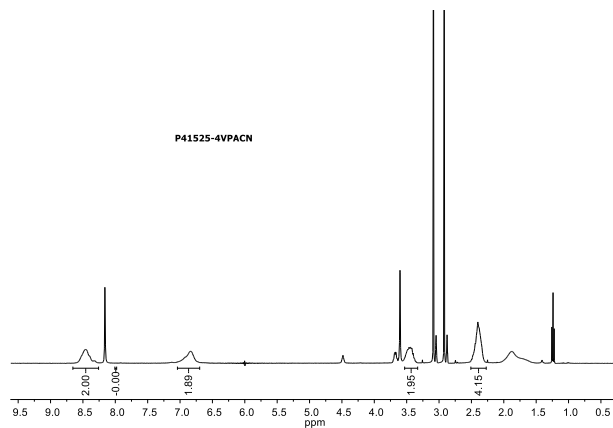
Poly(4-vinyl pyridine-b-acrylonitrile) is obtained by living RAFT polymerization process.



Characterization:

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

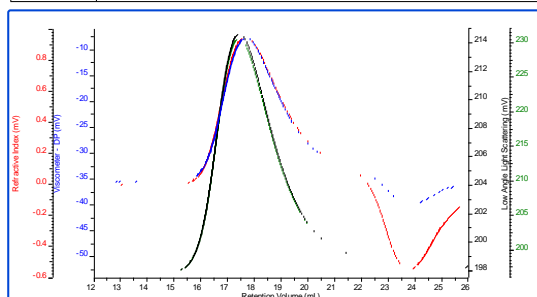
¹H NMR spectrum of the Sample:



SEC elugram of P4VP-RAFT macroinitiator

P41519-4VP

dn/dc	0.1530
Flow	0.7000
Solvent	DMF with LiBr
Method	PSS column-PMMA64K-22Nov2018-0004.vcm

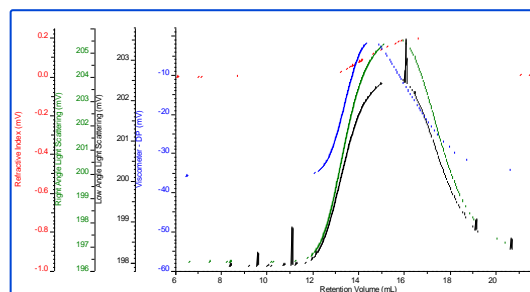


Sample	Mn	Mw	Mz	IV	Mw/Mn
P41519-4VP_1_2018-11-3	26,760	30,267	38,103	0.1660	1.131

SEC elugram of the Sample:

P41525-4VP-ACN

dn/dc	0.1250
Flow	0.7000
Solvent	DMF with LiBr
Method	PSS



Sample	Mn	Mw	Mz	IV	Mw/Mn
P41525-ppt in	64,197	82,510	100,315	1.0000	1.285

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

Sample: P41227-4VPACN
 Size: 9.4000 mg
 File: P41227_4VPACN.001

