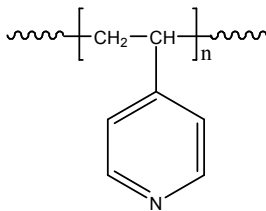


Sample Name: Poly (4-vinyl pyridine)

Sample #: P40425A-4VP

Structure:



Composition:

$M_n \times 10^3$	PDI
18.0	1.7

Synthesis Procedure:

Poly (4-vinyl pyridine) is obtained by anionic polymerization.

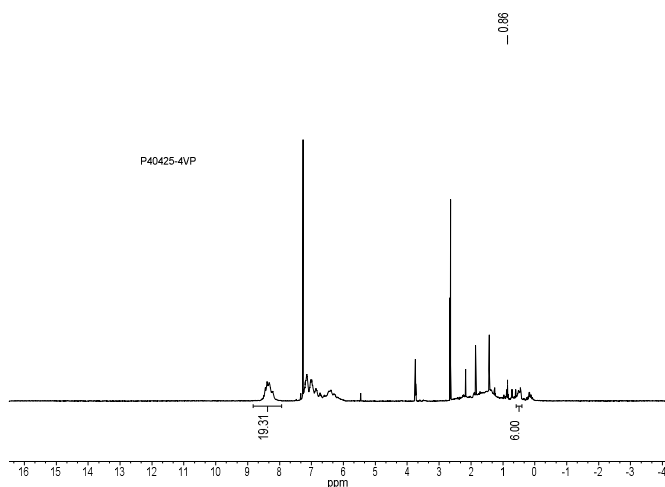
Characterization:

The molecular weight and polydispersity index (PDI) obtained by size exclusion chromatography (GPC) using DMF/LiBr 0.02M as an eluant at 50 °C.

Solubility:

Poly (4-vinylpyridine) is soluble in DMF, THF, toluene, methanol, ethanol and $CHCl_3$. It precipitates from water and hexanes, ether.

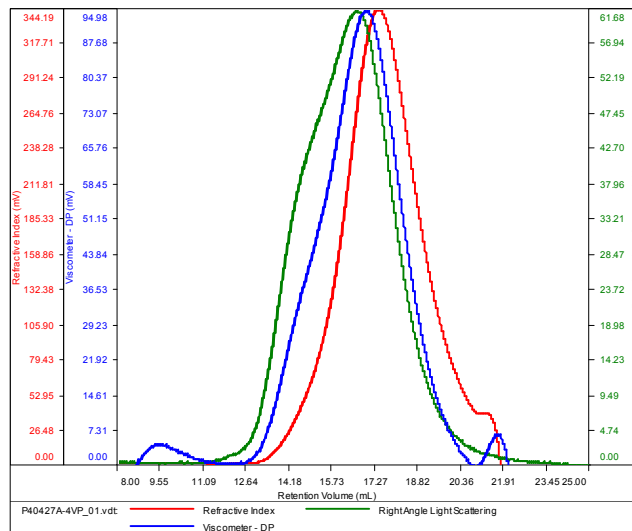
1H NMR spectrum of the Sample:



SEC elugram of Homopolymer:

P40425A-4VP

Conc (mg/mL)	45.7157
dn/dc (mL/g)	0.1530
Method	PS80k_December-2016-0004.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	M_n	M_w	M_p	M_w/M_n	IV
P40427A-4VP_01.vdt	18,278	31,343	21,523	1.715	0.0786

References:

S. K. Varshney, X. F. Zhong and A. Eisenberg
"Anionic Homopolymerization and Block Copolymerization of 4-Vinylpyridine and Its Investigation by High-Temperature Size-Exclusion Chromatography in N-Methyl-2-Pyrrolidinone" CA Vol 118, 12, 102658 Macromolecules, 1993, 26, 701-706.