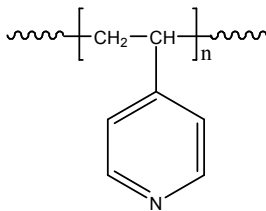


Sample Name: Poly (4-vinyl pyridine)

Sample #: P40422-4VP

Structure:



Composition:

Mn X10-3	PDI
15.0	1.04

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.

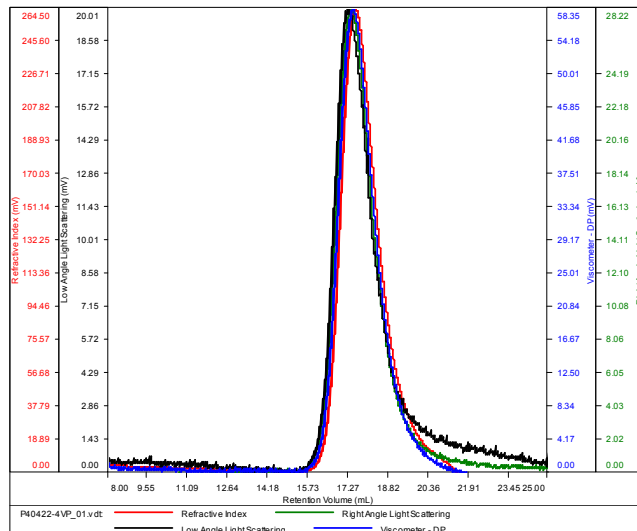
Solubility:

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

SEC elugram of Homopolymer:

P40422-4VP

Conc (mg/mL)	18.3671
dn/dc (mL/g)	0.1530
Method	PS80k_December-2016-0004.vcm
Solvent	DMF w/0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40422-4VP_01.vdt	14,908	15,441	15,053	1.036	0.0602

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-Pyrrolidone" CA Vol 118, 12, 102658 Macromolecules, 1993, 26, 701-706.