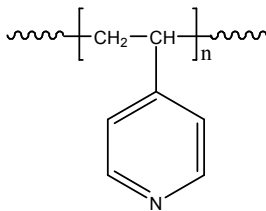


Sample Name: Poly (4-vinyl pyridine)

Sample #: P40344-4VP

Structure:



Composition:

Mn x10 ³	PDI
3.0	1.5

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.

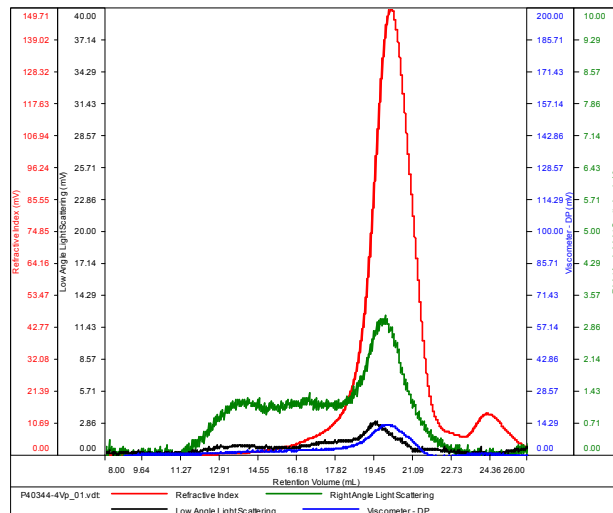
Solubility:

Poly (4-vinylpyridine) is soluble in DMF, THF, toluene, methanol, ethanol and CHCl₃. It precipitates from water and hexanes, ether.

SEC elugram of Homopolymer:

P40344-4VP

Conc (mg/mL)	12.7349
dn/dc (mL/g)	0.1530
Method	PS80k_December-2016-0004.vcm
Solvent	DMF w0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40344-4Vp_01.vdt	3,029	4,554	2,707	1.503	0.0281

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.