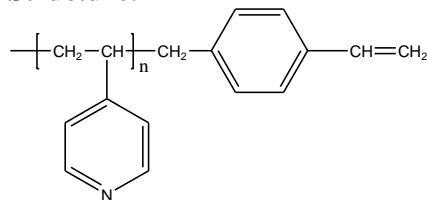


Sample Name:
Vinyl Terminated Poly(4-Vinyl Pyridine)

Sample #: **P1035- 4VPvinyl**

Structure:

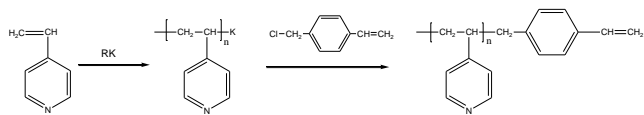


Composition:

$M_n \times 10^3$	PDI
15.0	1.15

Synthesis Procedure:

Vinyl terminated poly(4-vinyl pyridine) was prepared by living anionic polymerization of 4-vinyl pyridine, followed by termination with 4-chloromethyl styrene. The scheme of the reaction is illustrated below:



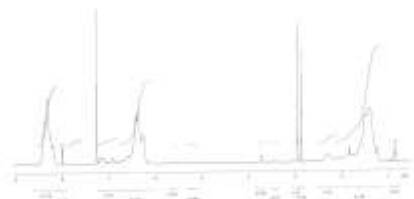
Characterization:

The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector. Eluent was DMF.

Solubility:

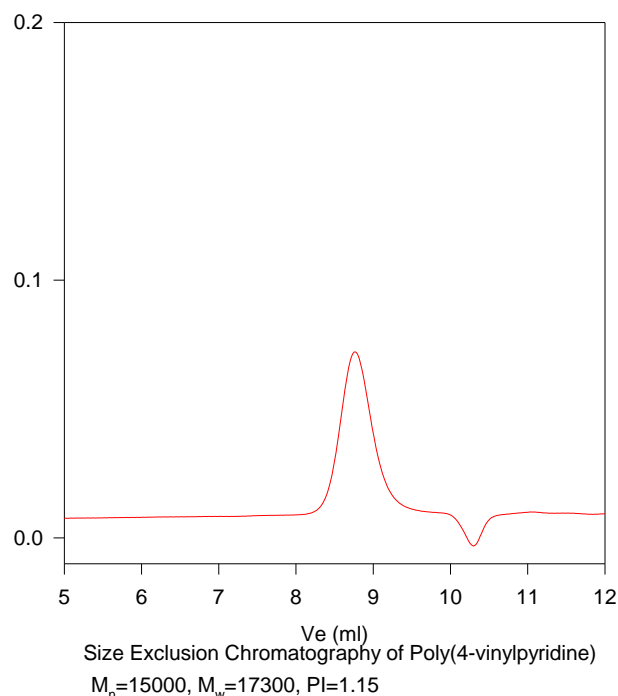
The product is Soluble in Methanol, THF and DMF.

HNMR Spectrum of the Product:



SEC of Sample:

P1035-4VPvinyl



Reference:

1. 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.