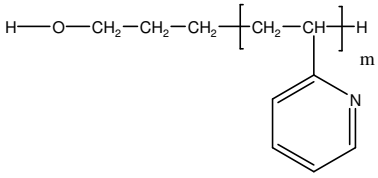
Sample Name:
Hydroxy Terminated Poly(2-Vinyl Pyridine)
Sample #: P19106-2VPOH

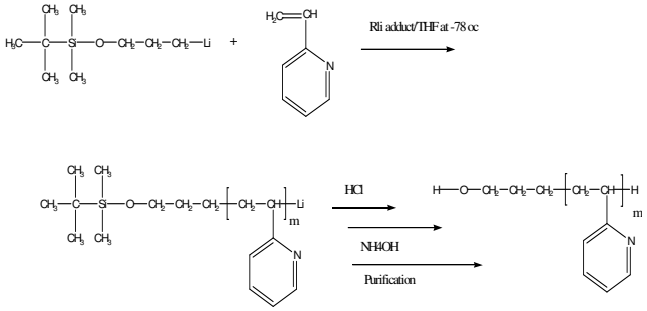
Structure:



Composition:

M_n x 10^3	PDI
57.0	1.22
Functionality %	>99%
T_g for the functional polymer	94°C

Synthesis Procedure:
Hydroxy terminated poly(2-vinyl pyridine) was prepared by living anionic polymerization of 2-vinyl pyridine in THF using OH protected initiator. The scheme of the reaction is illustrated below:

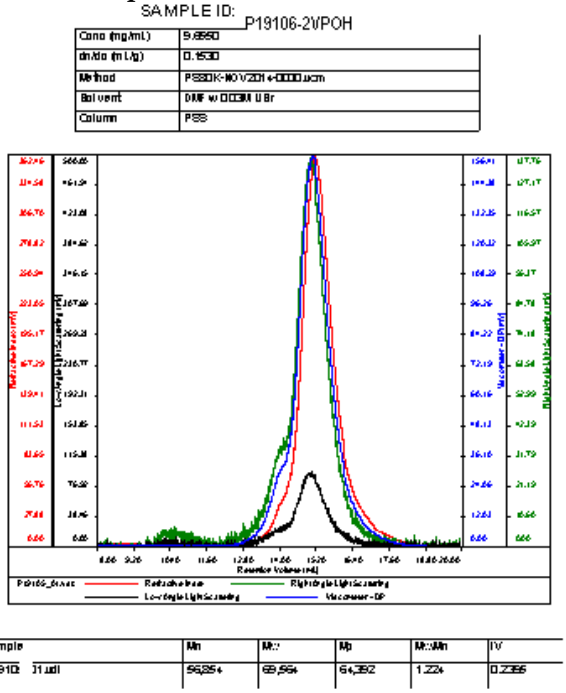


Characterization:
The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

Thermal analysis:
Thermal analysis of the samples was carried out using a differential scanning calorimeter (TA Q100) at a heating rate of 10°C/min.The inflection glass transition temperature (T_g) has been considered.

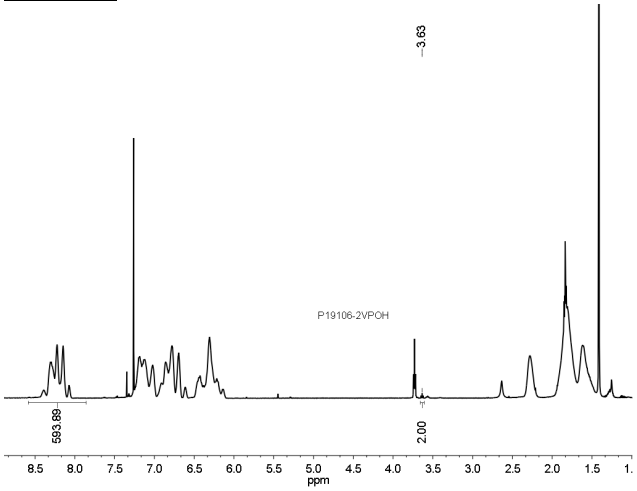
Solubility:
Polymer is soluble in $CHCl_3$ and THF.

SEC of Sample:



Sample	Mn	Mw	Mp	Mw/Mn	IV
P19106 1 µl	56,254	69,964	64,392	1.224	0.2366

H NMR:



DSC thermogram for the sample: