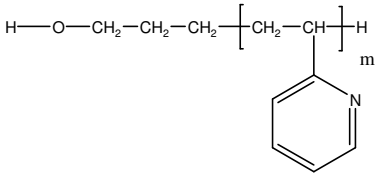
Sample Name:
Hydroxy Terminated Poly(2-Vinyl Pyridine)
Sample #: P19104-2VPOH

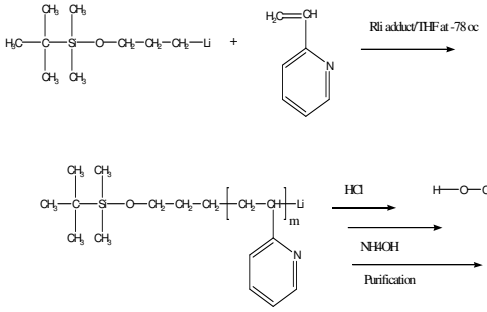
Structure:



Composition:

M_n x 10^3	PDI
47.5	1.09
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.

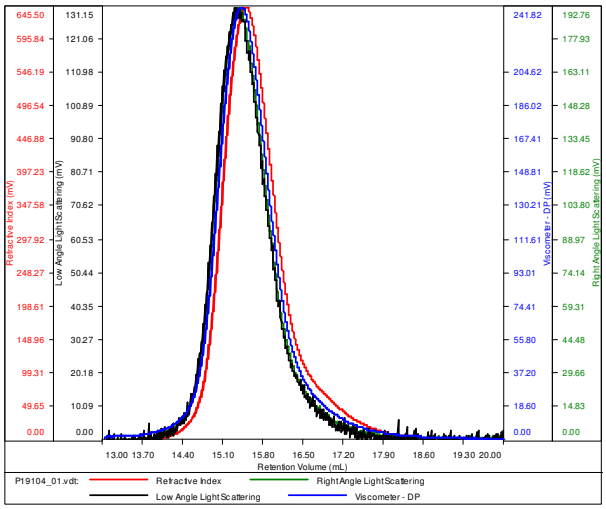
Thermal analysis:
Thermal analysis of the samples was carried out using a differential scanning calorimeter (TA Q100) at a heating rate of 10°C/min.The inflection glass transition temperature (T_g) has been considered.

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

SEC of Sample:

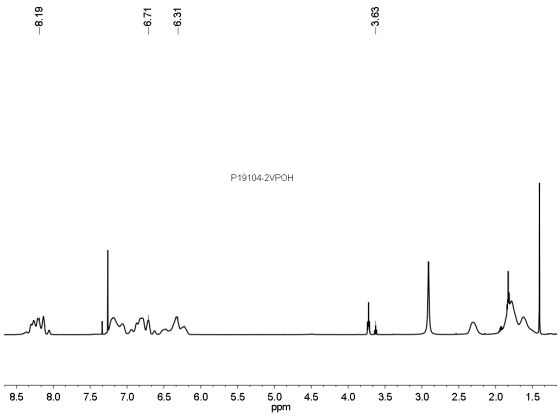
SAMPLE ID: P19104-2VPOH

Conc (mg/mL)	15.0811
dn/dc (mL/g)	0.1530
Method	PS80K-NOV2014-0000.vcm
Solvent	DMF w 0.03M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P19104_01.vdt	47,462	51,599	51,815	1.087	0.2007

H NMR:



DSC thermogram for the sample: