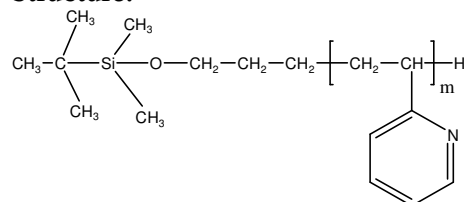


Sample Name:

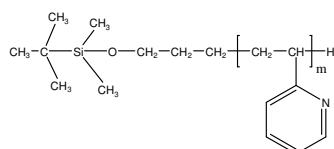
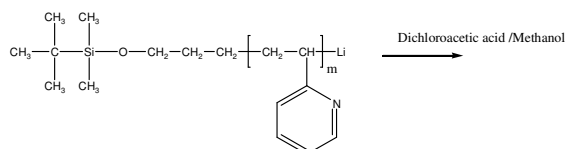
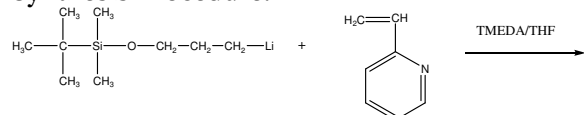
Tert.butyl dimethyl siloxy propyl Terminated
Poly(2-Vinyl Pyridine)

Sample #:

P19185-tBuDMSPPr2VP

Structure:**Composition:**

$M_n \times 10^3$	PDI
13.0	1.08
Functionality %	>99%

Synthesis Procedure:**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.

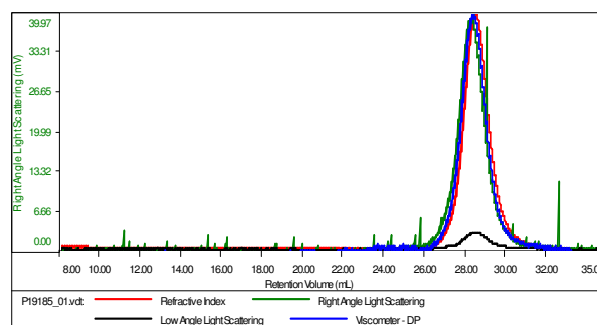
Solubility:

Polymer is soluble in $CHCl_3$ and THF.

SEC of Sample:

Sample ID: P19185-2VP OH Protected

Concentration (mg/mL)	12.5398
Sample div/dt (mL/g)	0.1650
Method File	PS80K-March6-2015-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P19185_01.vdt	12,795	13,805	12,903	1.079	0.0617

 1H NMR: