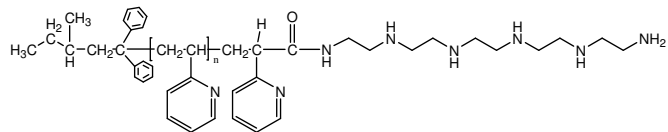


Sample Name:

Pentaethylene hexamine Terminated Poly(2-Vinyl Pyridine)

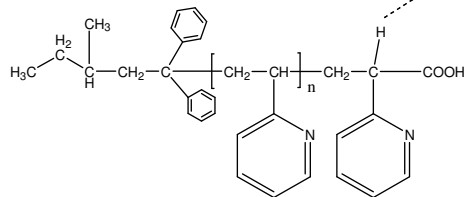
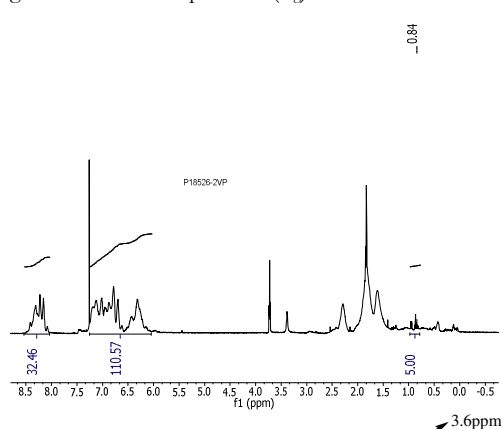
Sample #: P18524- 2VPPEHA**Structure:****Composition:**

$M_n \times 10^3$	PDI
3.0	1.10
From HNMR	

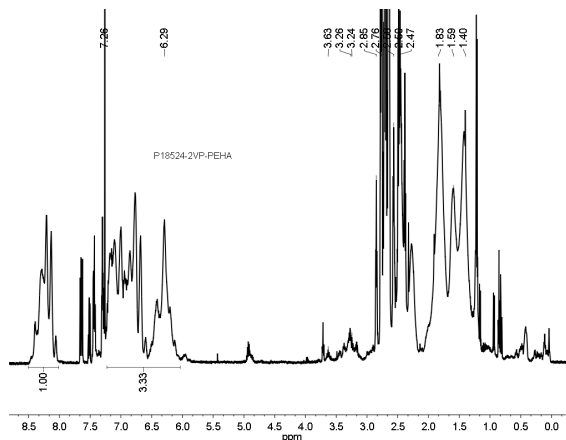
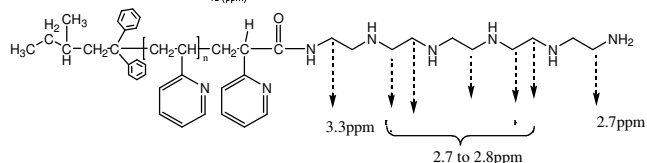
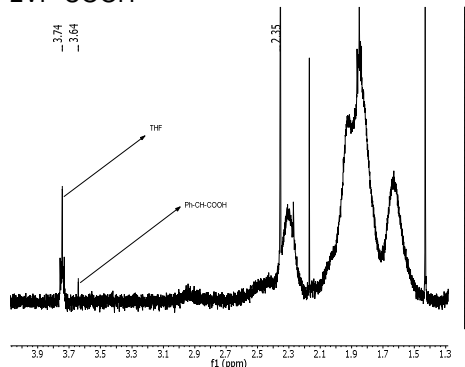
Synthesis Procedure:

Carboxy terminated poly(2-vinyl pyridine) was prepared by living anionic polymerization of 2-vinyl pyridine in THF followed by termination with dried CO_2 . It was then reacted with pentaethylene hexamine.

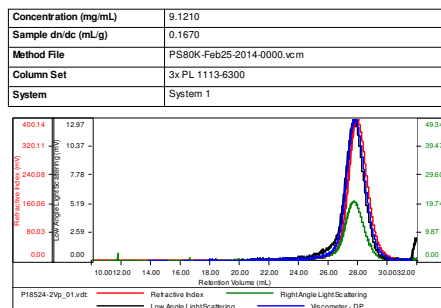
The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC). The inflection glass transition temperature (T_g) has been considered.



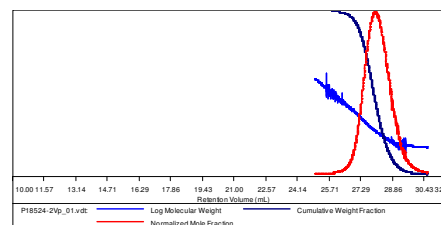
2VP-COOH

**SEC of Sample:**

Sample ID: P18524-2VP



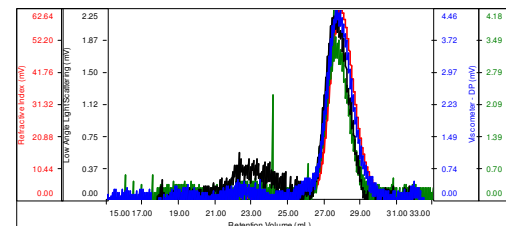
Sample	Mn	Mw	Mp	Mw/Mn	IV
P18524-2Vp_01.vdt	3,506	3,862	3,630	1.101	0.0983



After reaction with Pentaethylene hexamine

Sample ID: P18524-PEHA

Concentration (mg/mL)	1.4983
Sample dn/dc (mL/g)	0.1670
Method File	PS80K-Feb25-2014-0000.vcm
Column Set	3x PL 1113-6300
System	System 1



Sample	Mn	Mw	Mp	Mw/Mn	IV
P18524-2VPPEHA_01.vdt	3,368	3,802	3,666	1.129	0.1018

