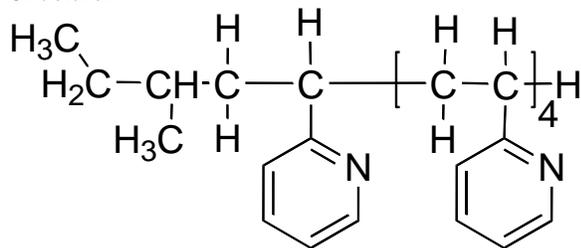


**Sample Name: Poly 2Vinyl pyridine
Oligomer**

Sample #: P9389D- 2VP Pentamer

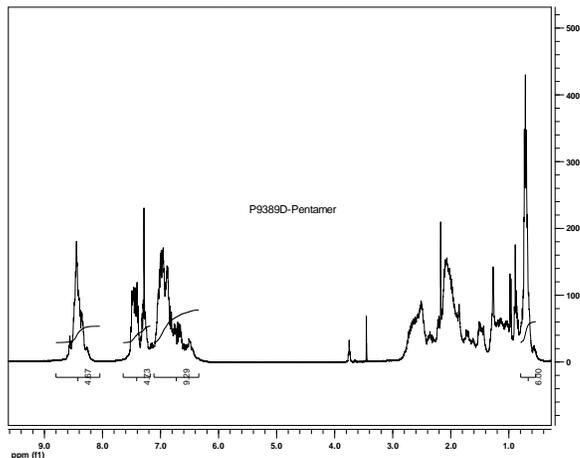
Structure:



Composition:

Mn x 10 ³	PDI
0.584	1.05

NMR of the Product:



Synthesis Procedure:

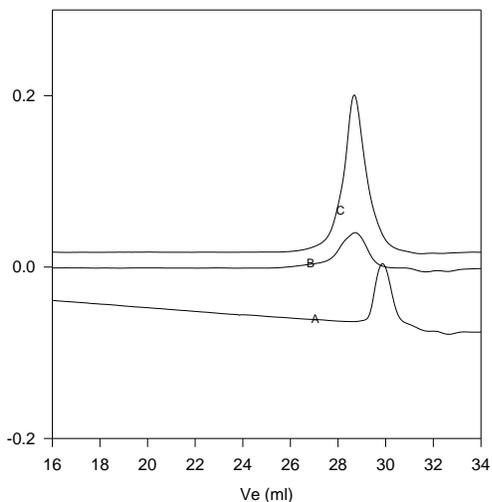
Oligomers of 2 vinyl pyridine are obtained by living anionic polymerization of styrene followed by separation by column chromatography.

Characterization:

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) in THF. SEC analysis was performed on a Varian liquid chromatograph equipped with refractive and UV light scattering detectors. Three SEC columns from Supelco (G6000-4000-2000 HXL) were used with triple detectors from Viscotek Co. ¹H-NMR spectroscopy by comparing the peak area of the aromatic and terminal methyl groups coming from cumyl methyl ether potassium salt use as initiator.

SEC of oligomers

P9389- 2VP oligomers



Size Exclusion Chromatography of Poly 2-Vinyl pyridine oligomers

Dp of 2VP monomer is : Dimer, tetramer and Pentamers