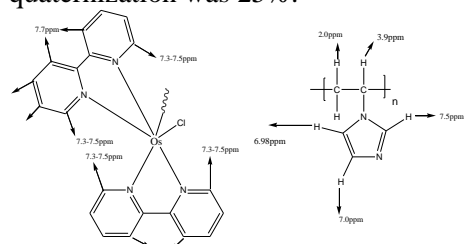
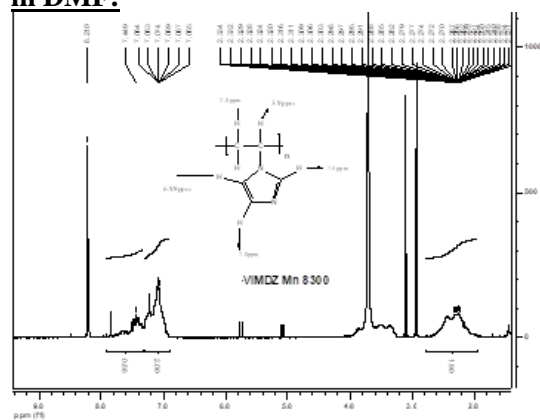


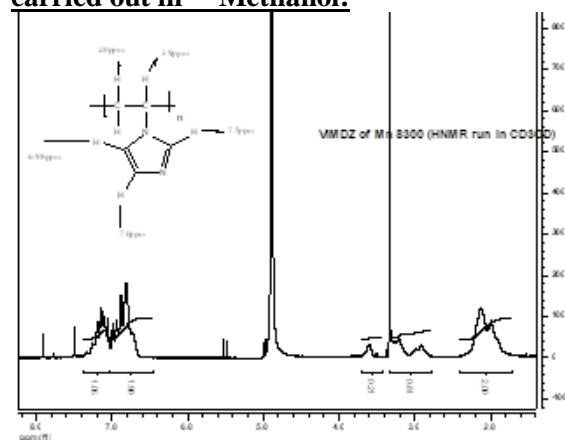
From the yield of the polymer after reaction with osmium salt was calculated and found the % of quaternization was 25%.



H NMR spectrum of Poly vinyl imidazole runs in DMF:



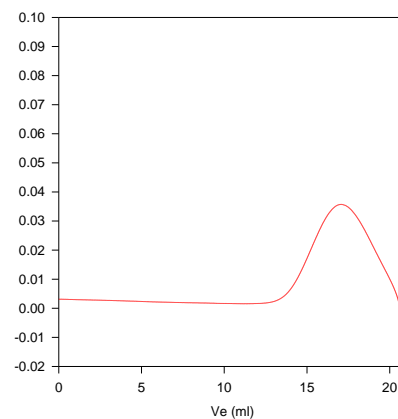
H NMR spectrum of Poly vinyl imidazole carried out in Methanol:



P44488-VIMDZQ OS salt run in DMSO

Integration values: 0.02, 0.81, 0.51, 1.12, 0.91

SEC profile of Homopolymer (before quaternization):



Size exclusion chromatography of poly(vinylimidazole) with respect to quaternized poly(2 vinyl pyridine) standards:
Eluent: Water with 0.1% trifluoroacetic acid and 0.2M NaCl
 $M_n=8300$ $M_w=12500$, $PI=1.50$

