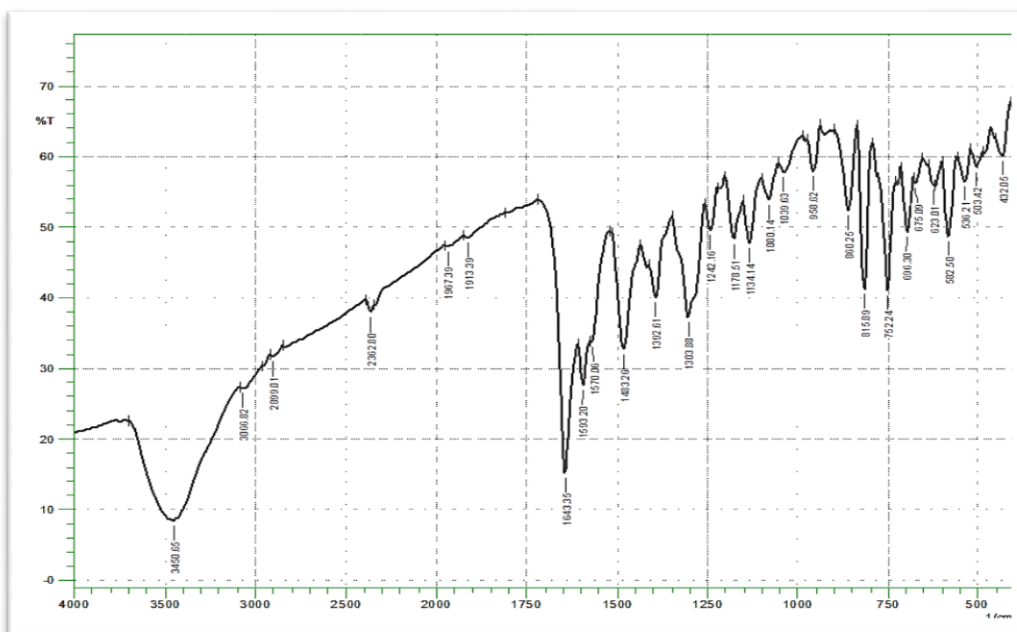


# Supporting Information

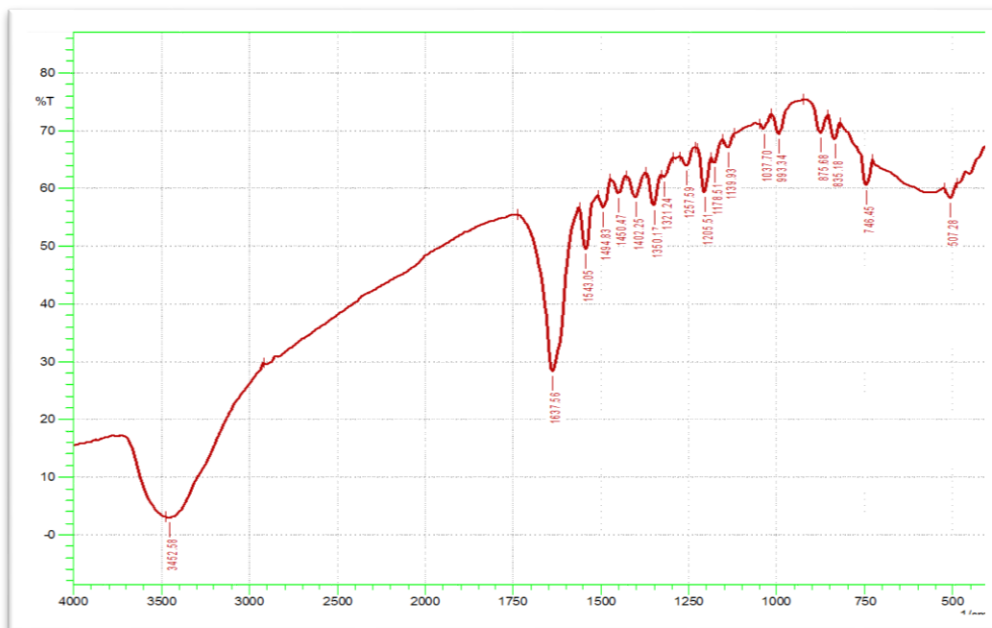
## Highly Thermally Stable and Biologically Active Compounds Prepared To Be Polymer Stabilizers Consisting Of a Schiff Base and Its Complexes Derived From 2-Hydroxynaphthaldehyde

Bushra Mohan , Naser Shaalan\*

Department of Chemistry, College of Science for Women, University of Baghdad, Iraq

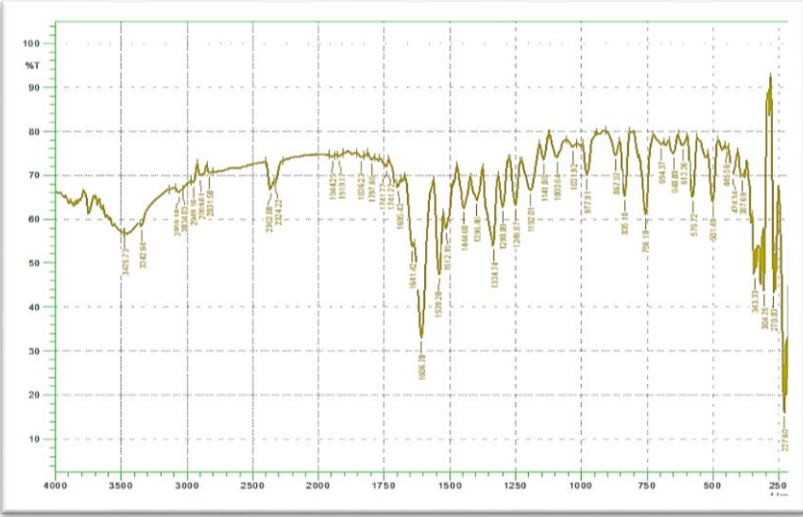


**Figure S1:** FTIR LH1 spectrum

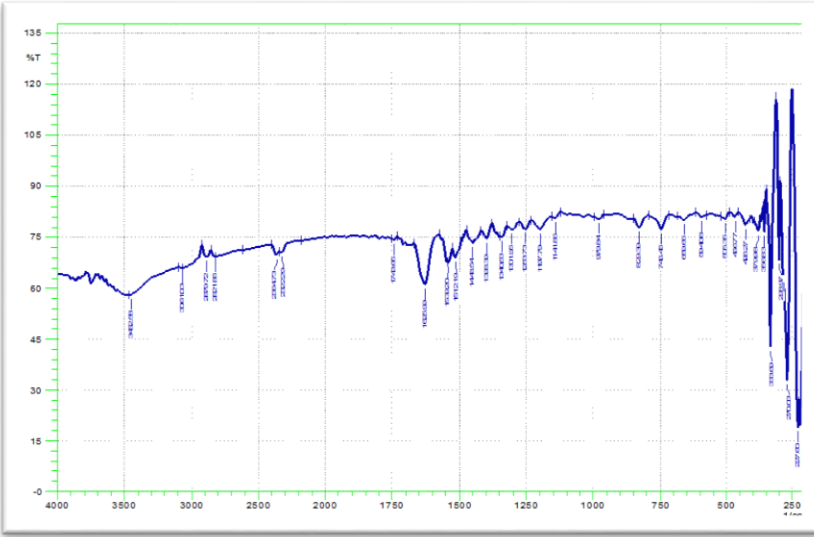


**Figure S2:** FTIR A1 ligand spectra

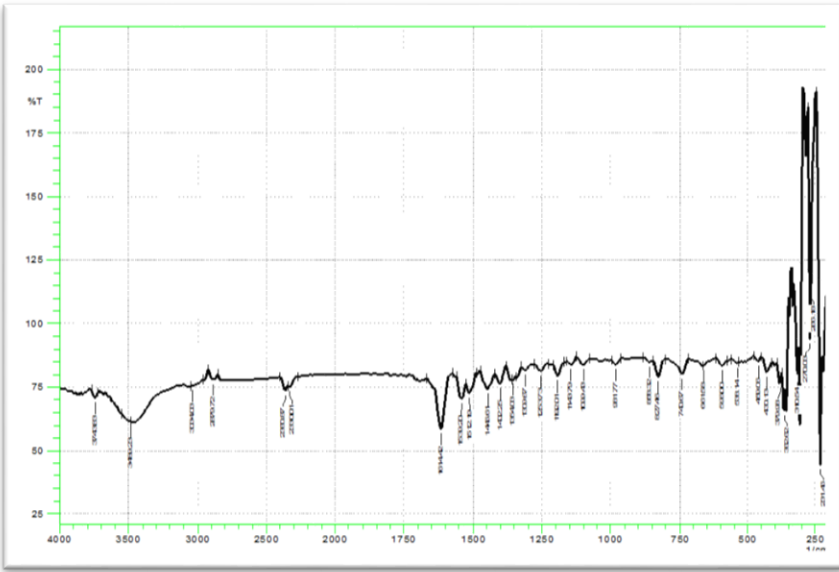
## Supporting Information



**Figure S3: FTIR (Mn+A1) spectrum**

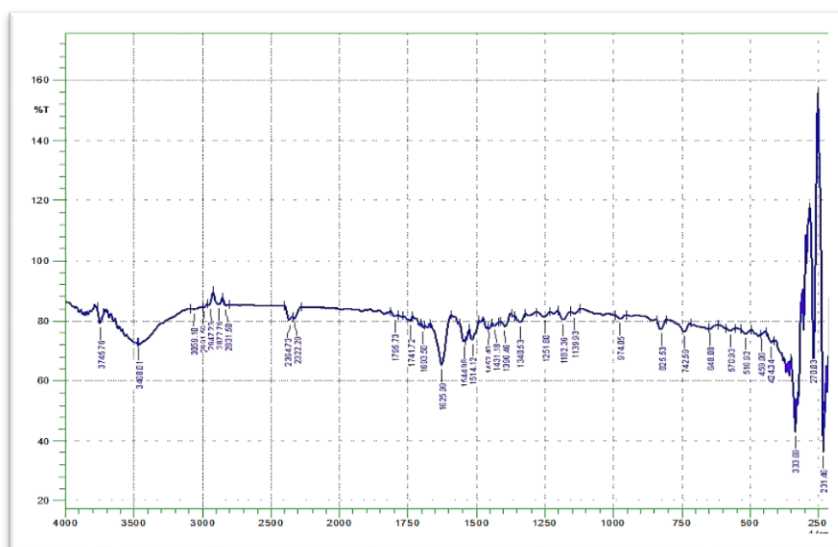


**Figure S4: FTIR (Co+A1) spectrum**

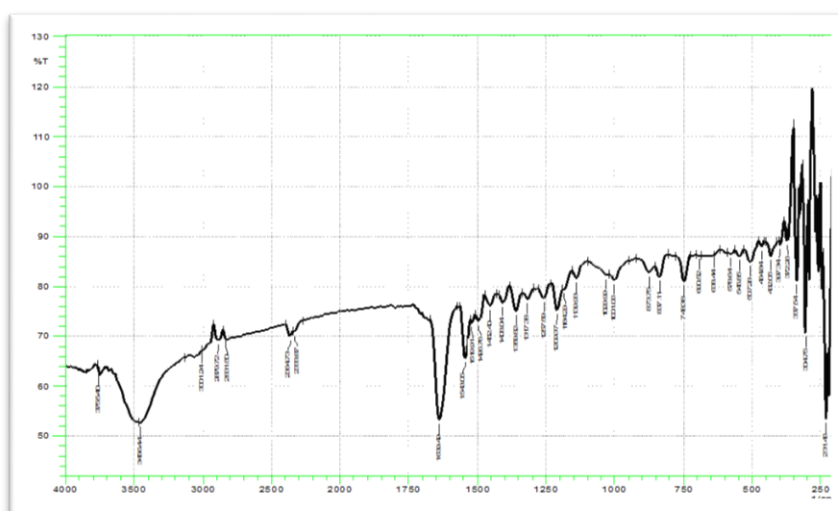


**Figure S5: FTIR (Ni+A1) spectrum**

# Supporting Information

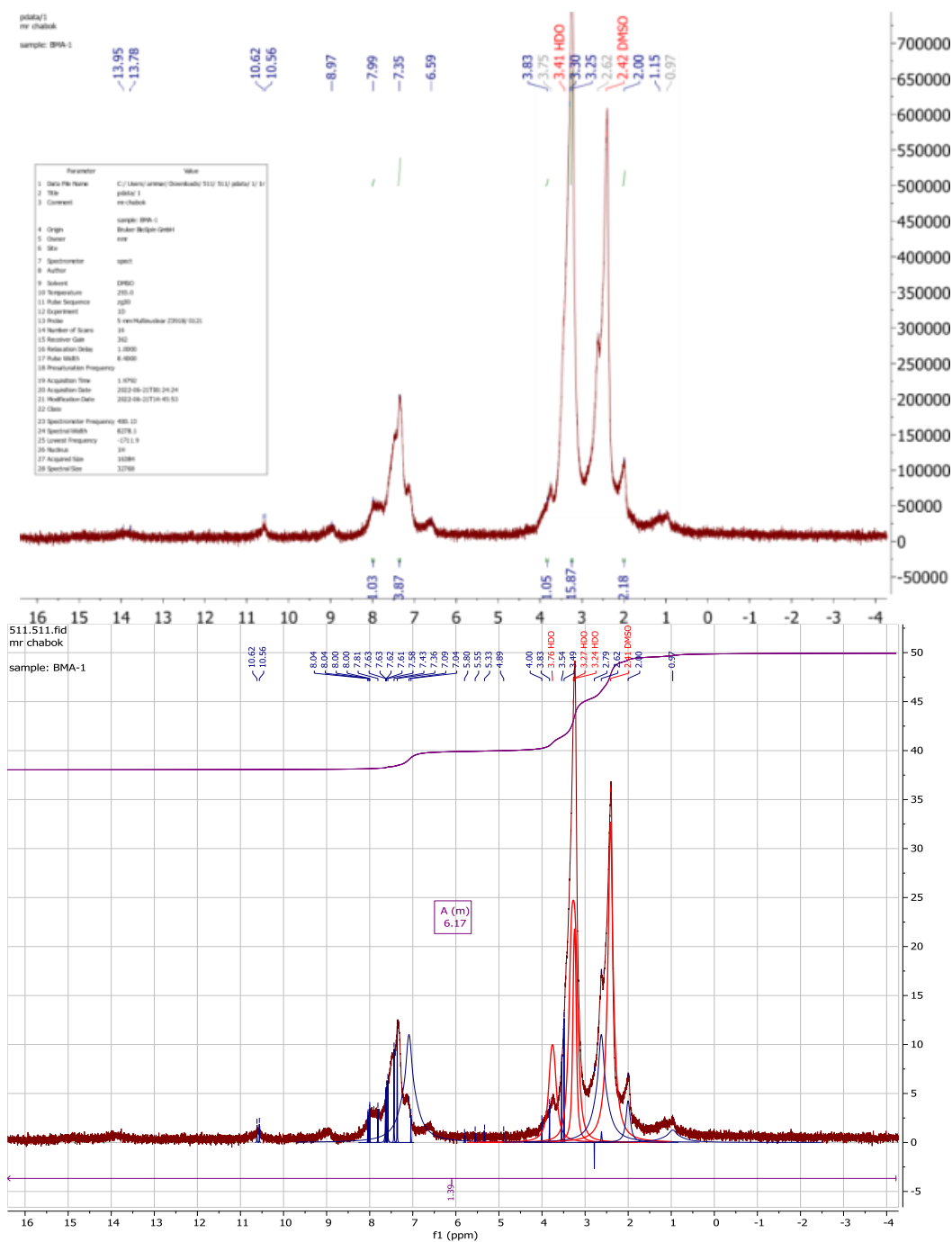


**Figure S6:** FTIR (Cu+A1) spectrum



**Figure S7:** FTIR (Zn+A1) spectrum

# Supporting Information



**Figure S8.**  $^1\text{H}$ -NMR spectrum of ligand A1

# Supporting Information

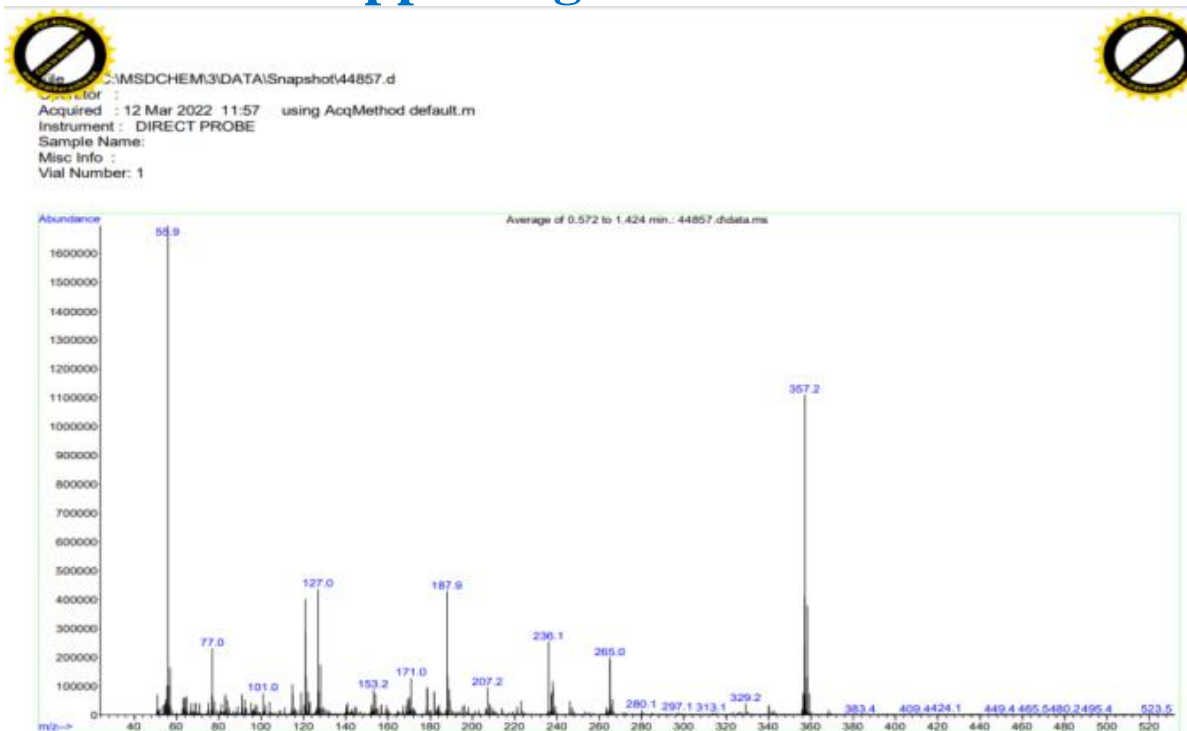


Figure S9: Mass spectrum for LH1

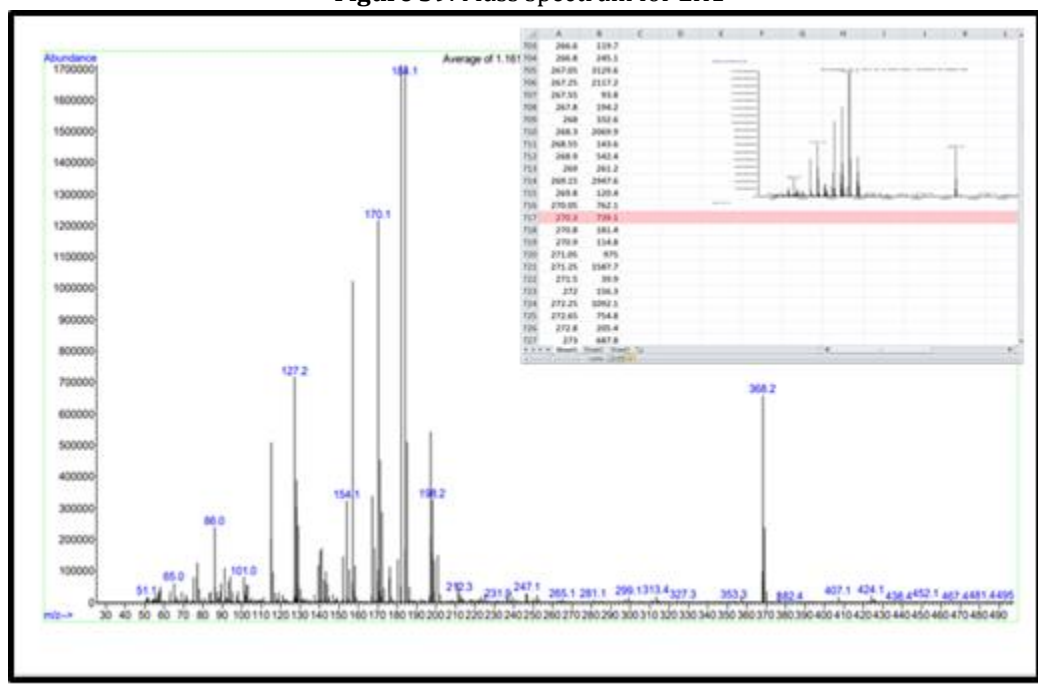


Figure S10: Mass spectrum for ligand A1

## Supporting Information

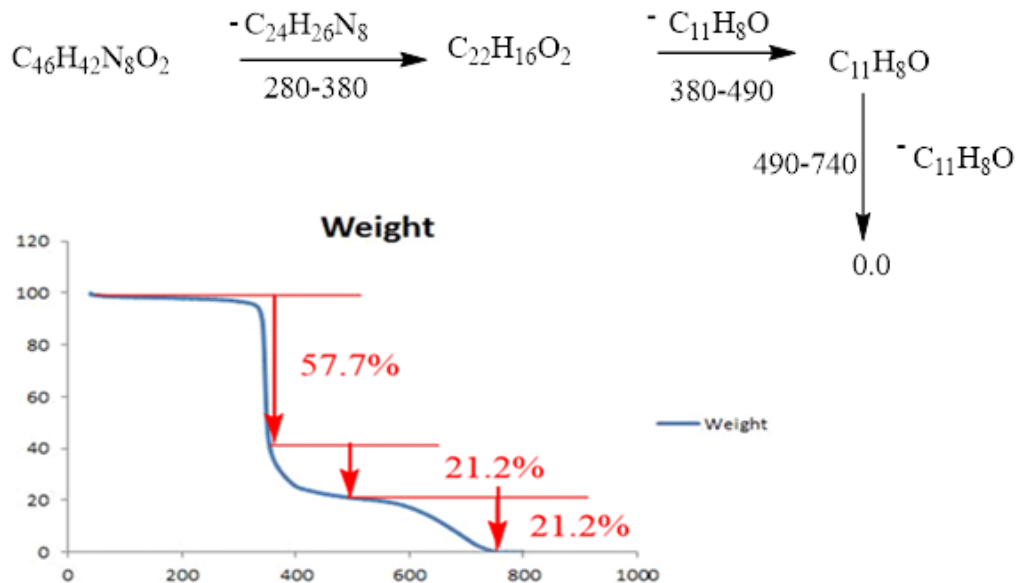


Figure S11. Ligand A1

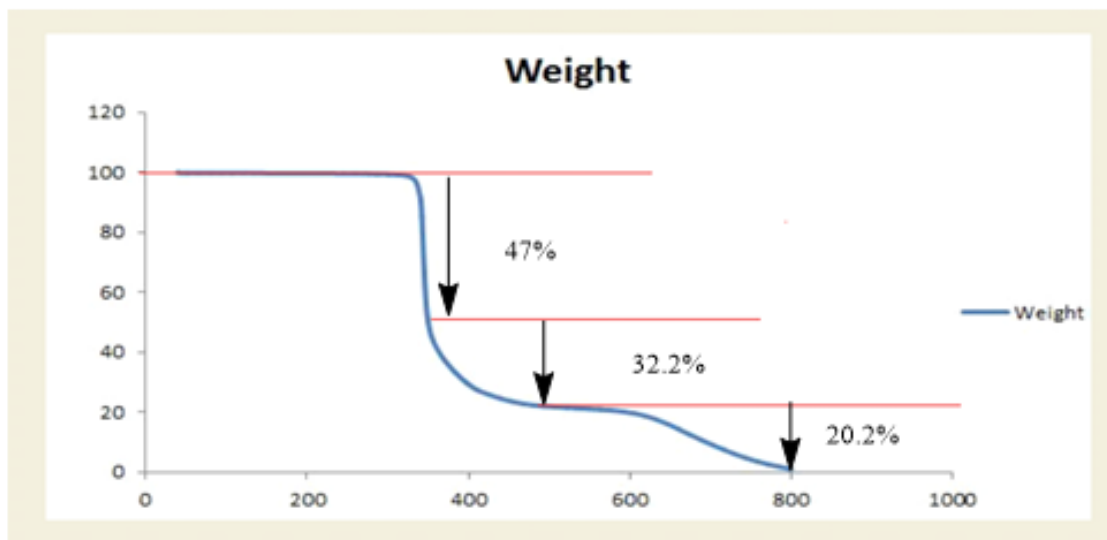
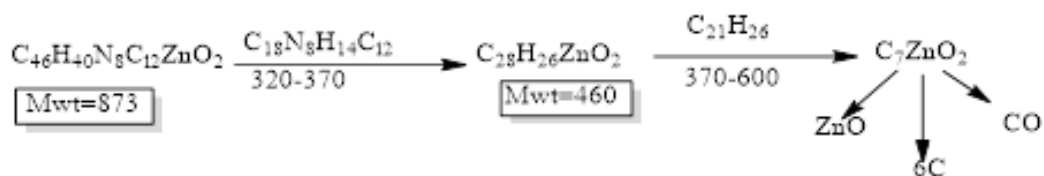
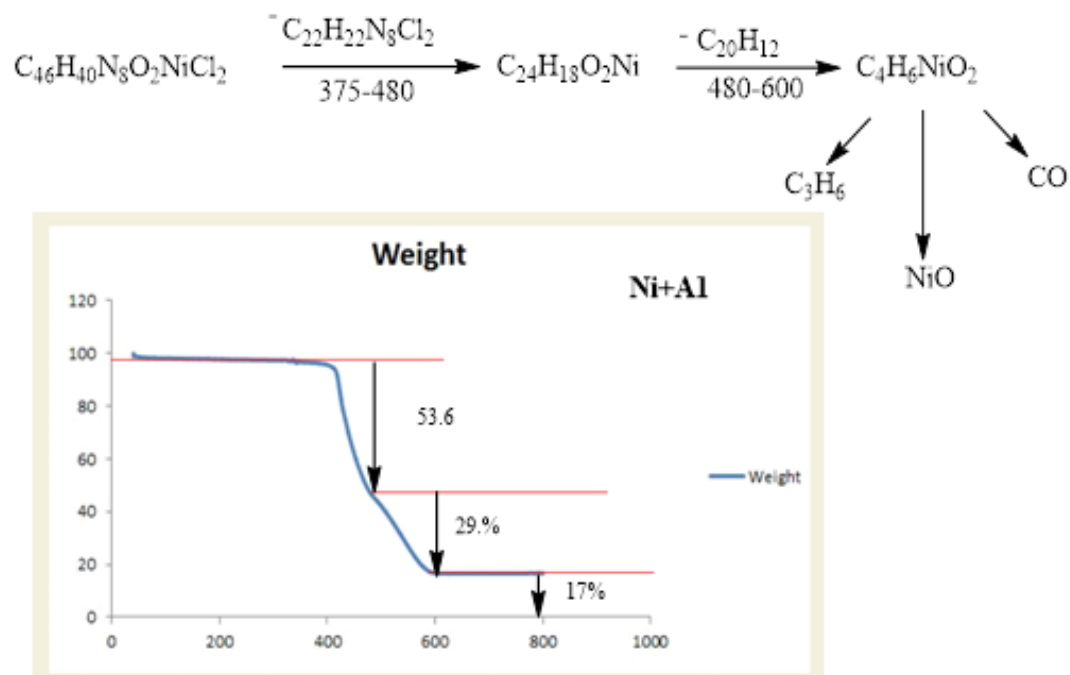


Figure S12: Zn complex+A1

## Supporting Information



**Figure S13:** Nicomplex+A1