

Thermal analysis data for the complexes

Compound	Step	Decomposition T _{max} (°C)	Eliminated species
NiL1.2H ₂ O	First	125	2H ₂ O
	Second	500	Ligand
	Third	840	Residue (NiO)
CuL1. H ₂ O	First	75	H ₂ O
	Second	350	Ligand
	Third	670	Residue (CuO)
ZnL1.2H ₂ O	First	130	2H ₂ O
	Second	520	Ligand
	Third	780	Residue (ZnO)
NiL2.2H ₂ O	First	125	2H ₂ O
	Second	320	Ligand
	Third	870	Residue (NiO)
CuL2. H ₂ O	First	122	H ₂ O
	Second	310	Ligand
	Third	865	Residue (CuO)
ZnL2.2H ₂ O	First	125	2H ₂ O
	Second	330	Ligand
	Third	870	Residue (ZnO)

Compound	Step	Decomposition T_{\max} ($^{\circ}\text{C}$)	Eliminated species
NiL3.2H ₂ O	First	125	2H ₂ O
	Second	248	Ligand
	Third	838	Residue (NiO)
CuL3. H ₂ O	First	75	H ₂ O
	Second	350	Ligand
	Third	665	Residue (CuO)
ZnL3.2H ₂ O	First	128	2H ₂ O
	Second	400	Ligand
	Third	782	Residue (ZnO)
NiL4.2H ₂ O	First	140	2H ₂ O
	Second	330	Ligand
	Third	700	Residue (NiO)
CuL4. H ₂ O	First	150	H ₂ O
	Second	350	Ligand
	Third	650	Residue (CuO)
ZnL4.2H ₂ O	First	190	2H ₂ O
	Second	350	Ligand
	Third	850	Residue (ZnO)

Compound	Step	Decomposition T_{\max} ($^{\circ}\text{C}$)	Eliminated species
NiL5.2H ₂ O	First	142	2H ₂ O
	Second	440	Ligand
	Third	720	Residue (NiO)
CuL5. H ₂ O	First	148	H ₂ O
	Second	320	Ligand
	Third	770	Residue (CuO)
ZnL5.2H ₂ O	First	185	2H ₂ O
	Second	350	Ligand
	Third	840	Residue (ZnO)
NiL6.2H ₂ O	First	130	2H ₂ O
	Second	300	Ligand
	Third	875	Residue (NiO)
CuL6. H ₂ O	First	140	H ₂ O
	Second	310	Ligand
	Third	650	Residue (CuO)
ZnL6.2H ₂ O	First	150	2H ₂ O
	Second	340	Ligand
	Third	850	Residue (ZnO)