

## **ABSTRACT**

Metal amino acid complexes were prepared by mixing aqueous solutions of transition metal salts and amino acid at varying values of pH, followed by heating, filtering and then allowing the crystals to grow. The amino acids used serve as bi or tri-dentate ligands to form complexes with metals and also as a counter ion. The crystals obtained were characterized by several instrumental techniques including UV-Visible, FTIR, elemental analyzer (CHNS), powder diffraction and Single crystal XRD.