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X-ray Crystallographic Studies of Some Heterocyclic Schiff Bases of Salisylaloximewith Ni (II), Cu (II) and Co (II) Transition Metal Complexes

Seema I. Habib* and Sachin R. Joshi

Department of Chemistry, G.M.MominWomens College, Bhiwandi, (M.S.) India
Department of Chemistry, N.S.B College, Nanded (M.S.), India

Abstract:Four Metal Complexes of the transition metals were prepared by Mixing of metal chlorides [Ni(II), Cu(II) and Co(II)] (0.025M) with salisylaloxime (0.05 mole) in 1:2 proportion in ethyl alcohol. All the complexes are subjected for XRD analysis. The data obtained from XRD analysis program shows monoclinic crystal system for all the synthesized complexes. From the experimental measurements, various parameters have been estimated. The XRD analysis revealed for all complexes show good intense and sharp peaks, indicating high crystallinity of complexes.

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