



Synthesis And Physicochemical Elucidation Of Nickel (II) Complexes With Acetophenone Derivatives Of Dithiocarbazic Acid

K. Yadav^{1*}, Anita Kumari² and Pramod Kumar³

1. P.G. Deptt. of Chemistry, Samastipur College, Samastipur-848134, **INDIA**

2. Research Scholar, LNMU-Darbhanga, **INDIA**

3. Deptt. of Chemistry, SMRCK College, Samastipur, **INDIA**

Email: yadav.kusheshwar@yahoo.com

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ABSTRACT

Nickel(II) complexes of the type $[Ni(L)_2X]$ where L = ligand (acetophenone derivatives of dithiocarbazic acid) have been prepared by refluxing method. Ethanolic solution of ligand (L) was mixed with the 20-30 ml of hydrated nickel(II) chloride $[NiCl_2 \cdot 6H_2O]$ and nickel(II) nitrate $[Ni(NO_3)_2 \cdot 6H_2O]$ solution in the same solvent. The resulting products have been characterized by elemental analysis, IR spectral studies as well as magnetic susceptibility measurements. Octahedral structure is proposed for the complexes.

Keywords: Acetophenone derivatives, Ni(II) chloride, Dithiocarbazate, Physicochemical elucidation.
