

Magnetic studies on some complex combinations

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Abstract This paper presents the magnetic properties for the complex of Co(II), Ni(II), Cu(II) with Schiff bases obtained by condensation of ethylenediamine with acetylacetone, benzoylacetone, benzoylacetophenone; of phenylenediamine with benzoylacetone and of antranilic acid with benzaldehyde.

The EPR spectra were recorded with an ART5 instrument which performs with an X-ray source and the Lande splitting factor (g) has been calculated using Mn⁺² in CaO matrix.

Keywords: magnetic properties, complex of Co(II), Ni(II), Cu(II) with Schiff bases, EPR, paramagnetic susceptibility.
