

Anti-Bacterial and Anti-Fungal Study of Synthesized Cu (II) and Ag (II) Clindamycin Co-Ordination Complex and X-Ray Diffraction, TGA Study

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Abstract: X-ray diffraction studies have been undertaken using the powder technique to determine lattice parameters, crystal system, crystal lattice intercept, angle etc. X-ray powder diffraction of Cu (II) & Ag (II) metal complexes with Clindamycin shows monoclinic and triclinic systems with various unit cell parameters. The Cu (II) & Ag (II) Clindamycin complexes show a more intense band on the spectrogram it indicates the closed pack position of the atom in the crystal system. Anti-bacterial activity of synthesized drug metal complexes shows considerable activity against bacteria in comparison with standard drug molecules.

Keywords: Coordination complexes, X-ray diffraction, Anti-microbial etc

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