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Synthesis, crystal growth, spectral, thermal studies of Copper(II) complexes

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Abstract : Most of the reaction of solid materials in high temperature environments are controlled by crystal chemistry. In other words, chemical reactivity is determined by the crystal structure and defect structure of the solid materials. The suitability of the crystal for optical application was studied by UV spectroscopy. FTIR spectral analysis was used to confirm the presence of various functional groups in the grown crystals. The thermal stability of the compound was investigated by the thermal gravimetric and differential thermal analysis.

Key words : Complexes, UV, FT IR, TGA-DTA.

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