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OPTICAL AND ELECTRICAL PROPERTIES OF GLYCINE MANGANESE CHLORIDE
CRYSTAL

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Abstract

The organo-metal material of Glycine Manganese Chloride has been grown by solvent evaporation solution growth method. Single crystal XRD study has been carried out to confirm the grown crystal. FT-IR was recorded to identify the functional groups present in the crystal. The linear optical property of the grown crystal was analyzed by UV-Vis spectrum. Third order nonlinear optical properties was measured by Z-scan technique using Nd:YAG laser at 532 nm. Fluorescence emission revealed that can serve as a photo active material. Impedance and dielectric studies were also carried out for the material. Thermal property of the sample was

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