

Poster Presentation

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Optical and dielectric studies of barium chloride doped L-tyrosine crystals

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The single crystals of Pure L-Tyrosine and Barium Chloride doped L-Tyrosine have been successfully grown by slow evaporation technique. The grown crystals have been subjected to Powder X-ray diffraction, UV-Visible spectroscopy, Fourier Transform Infrared Spectroscopy, Dielectric and Second harmonic generation studies. The grown L-Tyrosine and Barium Chloride doped L-Tyrosine crystals is found to belong to Monoclinic from XRD analysis. 83% of NLO efficiency as compared to that of KDP is also observed.

Keywords: [FTIR](#), [PXR](#)D, [NLO studies](#).