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Synthesis, Growth, Optical, Thermal and Dielectric studies of Lead Boro Glutamate (PbBG)

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Abstract: A new semi organic non-linear crystal Lead boro glutamate (PbBG) was grown by slow evaporation technique at low temperature. PbBG has been characterized by UV-Visible, FTIR and thermal studies. Dielectric studies were also carried out to identify the electro optic nature. A positive SHG response was established by NLO studies.
Keywords: Lead boro glutamate; UV-Visible; FTIR; TGA/DSC; Dielectric studies.

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