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Figure captions

Fig S1. FT-IR spectrum of mixed crystal PLHP

Fig S2. Thermogram of PLHP

Fig S3. EDS spectrum of PLHP

- Fig S4. Tauc plots (a) Direct Band gap energy curve (b) Indirect Band gap energy curve
- Fig S5. The comparative SHG oscilloscope traces of the powder samples KHP (red) and PLHP (blue)



Fig S1. FT-IR spectrum of mixed crystal PLHP



Fig S2. Thermogram of PLHP



Fig S3. EDS spectrum of PLHP



Fig S4. Tauc plot (Direct Band gap energy curve)



Fig S4. The comparative SHG oscilloscope traces of the powder samples KHP (red) and PLHP (blue)