



Growth of Amino Acid Doped KDP Crystal

By Parikh, Ketan

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Potassium dihydrogen phosphate (KDP) is a well known nonlinear optical (NLO) material having different applications in electro-optics and laser technology. Pure and amino acid doped KDP single crystals were grown by the slow solvent evaporation technique. The 0.3, 0.4 and 0.5 weight % doping of L-arginine, L-lysine and L-alanine was successfully achieved in KDP crystals and confirmed by paper chromatography and CHN analysis. The powder XRD suggested the single phase nature and the unit cell parameters were not altered due to doping. | Format: Paperback | Language/Sprache: english | 76 pp.



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