

Infux of Bis 2 Amino Pyridinium Maleate (B2APM) crystals

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Abstract

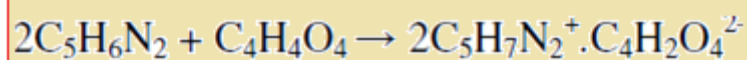
Bis 2 Amino Pyridinium Maleate (B2APM) crystals are NLO in nature and are grown by solution growth method, The single XRD data confirms that this crystal is having a as 21.760 Å, b as 23.555 Å, c as 5.626 Å, $\alpha = \beta = \gamma = 90^\circ$ and the crystal is orthorhombic in nature, Fdd2 is the space group of Bis 2 Amino Pyridinium Maleate crystals. Structure is the combination of $2C_5H_7N_2^+.C_4H_2O_4^{2-}$. The refractive influx of B2APM is be 2.5864 microns

Key Words: B2APM, XRD, INFLUX ...

Experimental

The B2APM was prepared by suspend 2-aminopyridine and maleic acid in 2:1 molar ratio in water at 100°C. Crystals of B2APM were acquired by slow evaporation of the solvent at the room temperature.

The reaction mechanism is



Influx

Activating the inactive medium is by QEO effect and here the influx is 2.5864 microns for B2APM crystals.

Conclusion

B2APM crystals are grown by slow evaporation method and here the grown material is subjected to XRD and INFLUX and from that it is orthorhombic in nature. The single XRD data confirms that this crystal is having a as 21.760 Å, b as 23.555 Å, c as 5.626 Å, $\alpha = \beta = \gamma = 90^\circ$, the influx for the titled specimen be 2.5864 microns

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