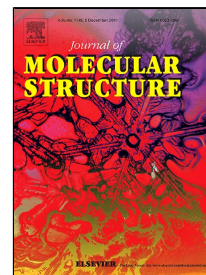


Accepted Manuscript

Homo-Lumo Analysis of Multi Walled Carbon Nanotubes Doped Tetrafluoro Phthalate Crystals for Nonlinear Optical Applications

B. Latha, P. Kumaresan, S. Nithiyantham, K. Sampathkumar



PII: S0022-2860(17)31296-6
DOI: 10.1016/j.molstruc.2017.09.097
Reference: MOLSTR 24346
To appear in: *Journal of Molecular Structure*
Received Date: 21 April 2017
Revised Date: 24 September 2017
Accepted Date: 25 September 2017

Please cite this article as: B. Latha, P. Kumaresan, S. Nithiyantham, K. Sampathkumar, Homo-Lumo Analysis of Multi Walled Carbon Nanotubes Doped Tetrafluoro Phthalate Crystals for Nonlinear Optical Applications, *Journal of Molecular Structure* (2017), doi: 10.1016/j.molstruc.2017.09.097

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- Tetra Fluro Phthalate crystal – pure,
- MWCNTs doped TPC crystal- enhanced properties.
- Molecular structure analysis – XRD
- FTIR, UV – stretching and opticals.
- Vibrations – HOMO-LUMO
- SHG, NBO calculations,

Download English Version:

<https://daneshyari.com/en/article/7809158>

Download Persian Version:

<https://daneshyari.com/article/7809158>

[Daneshyari.com](https://daneshyari.com)