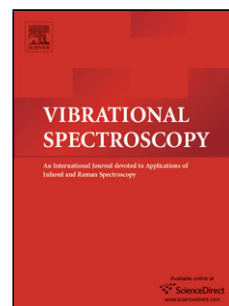


Accepted Manuscript

Title: Raman Spectroscopy of (Fe,Li)-Doped Delafossite Oxide CuCrO_2

Authors: João Frederico Haas Leandro Monteiro, Ezequiel Costa Siqueira, Daiane Siqueira Vallis, Everton de Andrade, Marcos Vinicius Woiski Barcote, Alcione Roberto Jurelo



PII: S0924-2031(18)30061-4
DOI: <https://doi.org/10.1016/j.vibspec.2018.07.009>
Reference: VIBSPE 2824

To appear in: *VIBSPE*

Received date: 28-2-2018
Revised date: 16-6-2018
Accepted date: 25-7-2018

Please cite this article as: Monteiro JFHL, Siqueira EC, Vallis DS, de Andrade E, Barcote MVW, Jurelo AR, Raman Spectroscopy of (Fe,Li)-Doped Delafossite Oxide CuCrO_2 , *Vibrational Spectroscopy* (2018), <https://doi.org/10.1016/j.vibspec.2018.07.009>

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.

Raman Spectroscopy of (Fe,Li)-Doped Delafossite Oxide CuCrO_2

João Frederico Haas Leandro Monteiro*, Ezequiel Costa Siqueira

Departamento de Física, Universidade Tecnológica Federal do Paraná,
Campus Ponta Grossa,
Avenida Monteiro Lobato 1787, 84.016-210, Ponta Grossa, Paraná, Brazil
(Physics Department, Federal Technological University of Parana Campus
Ponta Grossa)

**Daiane Siqueira Vallis, Everton de Andrade, Marcos Vinicius Woiski Barcote,
Alcione Roberto Jurelo**

Departamento de Física, Universidade Estadual de Ponta Grossa, Av. Gen.
Carlos Cavalcanti 4748, 84.030-000, Ponta Grossa, Paraná, Brazil
(Physics Department, State University of Ponta Grossa)

*Corresponding Author:

João Frederico Haas Leandro Monteiro

Departamento de Física

Universidade Tecnológica Federal do Paraná

Av. Monteiro Lobato

84.016-210

Ponta Grossa, Paraná, Brazil

Tel : +55 42 3220 4800

e-mail : jfhlmonteiro@hotmail.com

Abstract

In this paper we investigated the vibrational properties of (Fe,Li)-doped delafossite oxide CuCrO_2 by means of Raman experiments. The measurements were carried out at ambient temperature and pressure and on ab - and $a(b)c$ -plane of a single grain. The samples were prepared using self-combustion urea nitrate process and the structure of all samples was checked using X-ray diffraction. All peaks were indexed as arising from CuCrO_2 delafossite with

Download English Version:

<https://daneshyari.com/en/article/7690536>

Download Persian Version:

<https://daneshyari.com/article/7690536>

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