

FT-IR Spectroscopic Study on Some Hofmann- T_d Type Complexes: $\text{Ni(4-Phenylpyridine)}_2\text{M(CN)}_4$ (M = Cd or Hg)

Cemal Parlak^{a,c}, Şükrü Şentürk^b, and Mustafa Şenyel^{a,c}

^a Department of Physics, Science Faculty, Anadolu University, Eskişehir, Turkey

^b Department of Physics, Dumlupınar University, Kutahya, Turkey

^c Plant, Drug and Scientific Research Centre, Anadolu University, Eskişehir, Turkey

Reprint requests to Dr. Ş. Ş.; E-mail: ssenturk@dumlupinar.edu.tr

Z. Naturforsch. **60a**, 629 – 632 (2005); received April 13, 2005

New Hofmann- T_d type complexes in the form of $\text{Ni(4-Phenylpyridine)}_2\text{M(CN)}_4$ (M = Cd or Hg) were prepared in powder form and their infrared spectra are reported in the region of $4000 - 200 \text{ cm}^{-1}$. From the spectral findings, these compounds are similar in structure to the Hofmann- T_d type complexes. — Pacs numbers: 33.20.Ea, 33.20.Tp, 82.75-z

Key words: Hofmann- T_d Type Complexes; 4-Phenylpyridine; Infrared Spectra; Host Structure.