

# Vibrational interpretation of the structure of Co(II), VO<sub>2</sub><sup>+</sup> and Pb(II) naphthalocyanine complexes

Clavijo, C. R.E.

Campos-Valletta, M. M.

Saavedra, S. M.

Alvarado, A.

Diaz, F. G.

The FT-IR and Raman spectra for the solid naphthalocyanine (H<sub>2</sub>Nc) and their Co(II), VO<sub>2</sub><sup>+</sup> and Pb(II) complexes were registered, and a band assignment was proposed. On this basis, the structure of the complexes was inferred: The Co(II) and VO<sub>2</sub><sup>+</sup> complexes are deformed macrocycles, and the Pb ion is out of the plane of the Nc fragment.