

ABSTRACT

The submitted work is concerned with the complexation of pyridine-2,3-dicarboxylic acid with transition metals and lanthanides. Complexes of Co(II) and Fe(II) were prepared. The lanthanides; praseodymium and dysprosium were used but they did not make complex along with transition metals. X-Ray Diffraction and CHNS analysis were carried out of the complexes of Fe and Co. Their crystalline structure was monoclinic. CHNS data was corresponding to the theoretical data.