

The FTIR spectrum of the copper(II) complex with the biopolymeric Schiff base, shown that the interaction between copper ions and the Schiff base ligand modify the frequency and intensity of some bands suggesting that coordination has occurred. However in addition the Cu–Cs complex presented at 618 cm⁻¹ related to Cu–N stretching vibration, not found in the free ligand while the band at 1579 cm⁻¹, was seen in the spectrum of the free ligand, was absent in the copper(II) complex spectrum