

Crystal Structure and Vibrational Behaviour of Aqua Di(saccharinato)di(nicotinamide)copper(II)

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Z. Naturforsch. **57 b**, 43–46 (2002); received September 25, 2001

Copper(II)-saccharinate-nicotinamide, IR Spectra

The crystal structure of $[\text{Cu}(\text{sac})_2(\text{nic})_2(\text{H}_2\text{O})]$ (sac = saccharinate anion; nic = nicotinamide) has been determined by single-crystal X-ray diffraction. It crystallizes in the monoclinic space group $C2/c$ with $Z = 4$ and the Cu(II) ion presents a CuN_4O square pyramidal coordination. Some comparisons with related structures are made and the most important features of its IR spectrum were also discussed.