

Supporting Information

Co(II) and Cr(III) complexes of formate-formamide mixed ligands: synthesis, structures, single crystal-to-single crystal transformation and magnetic behavior

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The powder XRD data of the complexes **1a**, **1b** were collected using a D8 Advance X-ray diffractometer to verify the phase purity of these complexes. Experimental powder XRD patterns (Fig. S1) of **1a** and **1b** matched very well with the simulated patterns obtained from the X-ray single crystal structures.

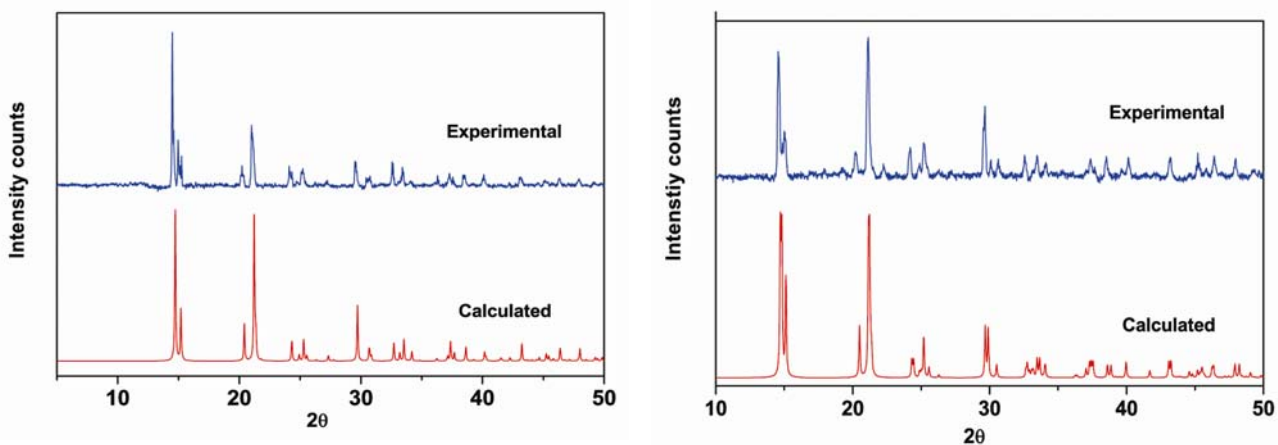


Fig. S1 Experimental and simulated XRD patterns of complexes **1a** (left) and **1b** (right).

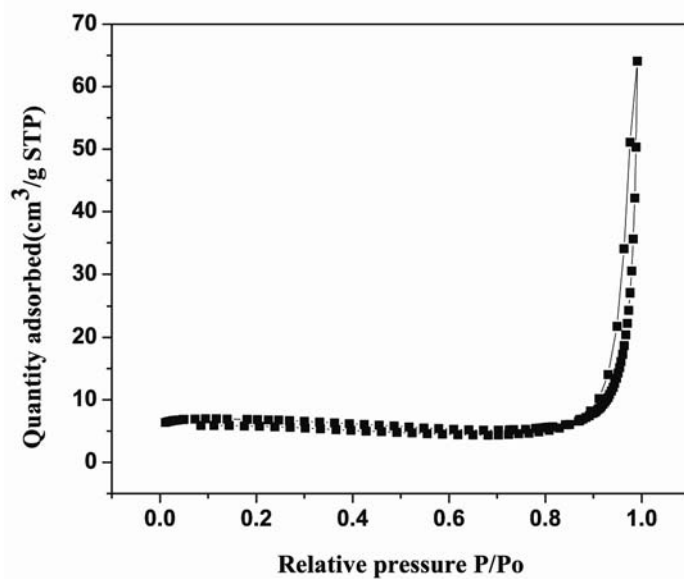


Fig. S2 N₂ adsorption and desorption plots for **1a**.