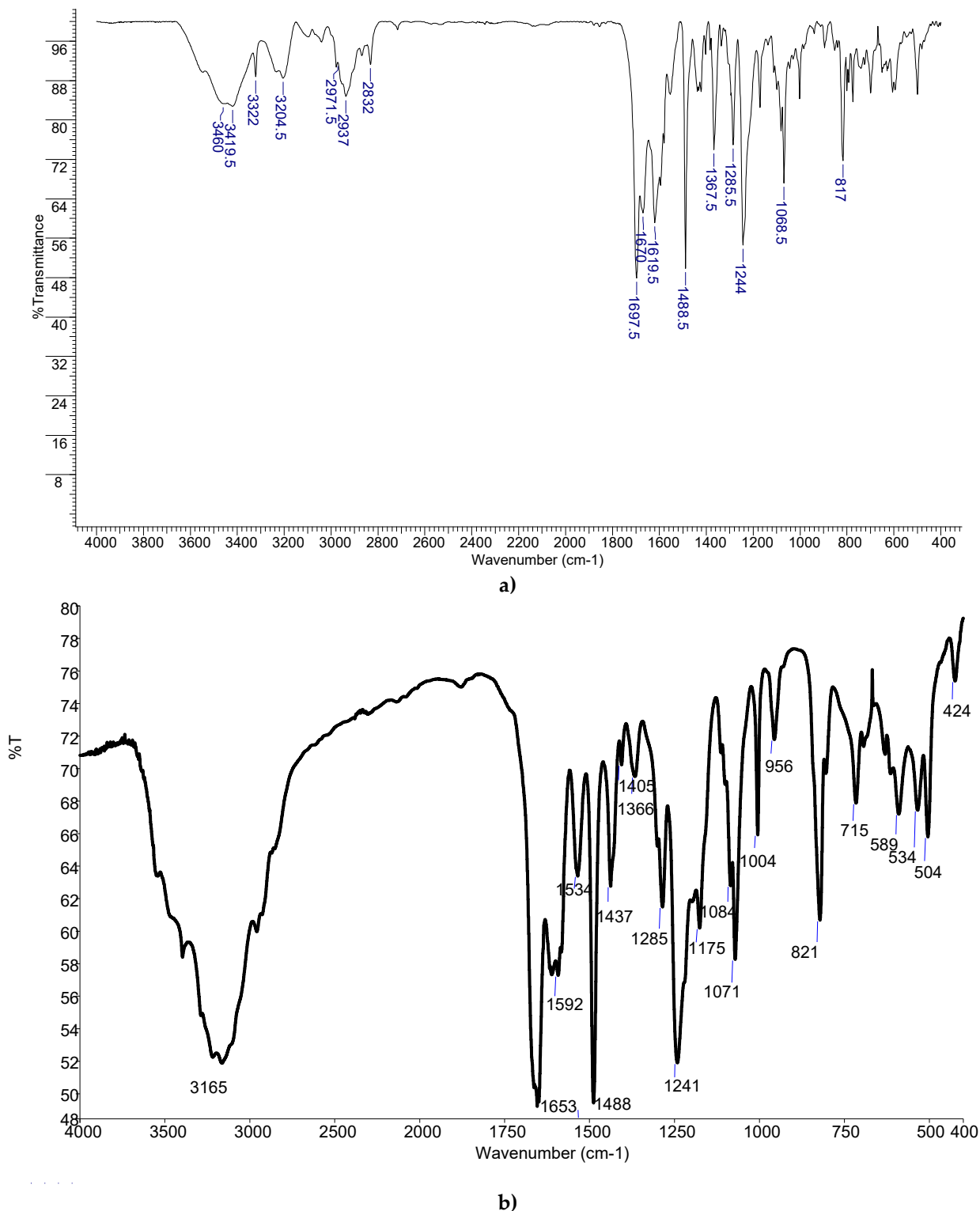


## Supplementary Material: Synthesis and Structure of a Coordination Polymer of Ni(II) with 2-(4-Bromophenoxy)acetohydrazide

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**Figure S1.** IR-spectra of 2-(4-bromophenoxy)acetohydrazide (a) and coordination compound  $[\text{NiCl}_2\text{L}(2\text{-PrOH})]_n$  (b).

**Table S1.** Selected geometric parameters (bond lengths /Å, bond angles/ °) for [NiCl<sub>2</sub>L(2-PrOH)]<sub>n</sub> (Symmetry code: (i) x, -y+3/2, z+1/2).

Ni1—Cl1	2.463 (2)	Ni1—O1	2.065 (5)
Ni1—Cl1 <sup>i</sup>	2.460 (2)	Ni1—O3	2.036 (5)
Ni1—Cl2	2.374 (2)	Ni1—N1	2.107 (6)
Cl2—Ni1—Cl1 <sup>i</sup>	90.13 (7)	O1—Ni1—N1	79.6 (2)
Cl2—Ni1—Cl1	93.87 (6)	O3—Ni1—Cl1 <sup>i</sup>	90.64 (16)
O1—Ni1—Cl1 <sup>i</sup>	90.07 (14)	O3—Ni1—Cl1	90.72 (16)
O1—Ni1—Cl1	87.89 (14)	O3—Ni1—Cl2	96.24 (18)
O1—Ni1—Cl2	93.42 (14)	O3—Ni1—N1	90.8 (2)