

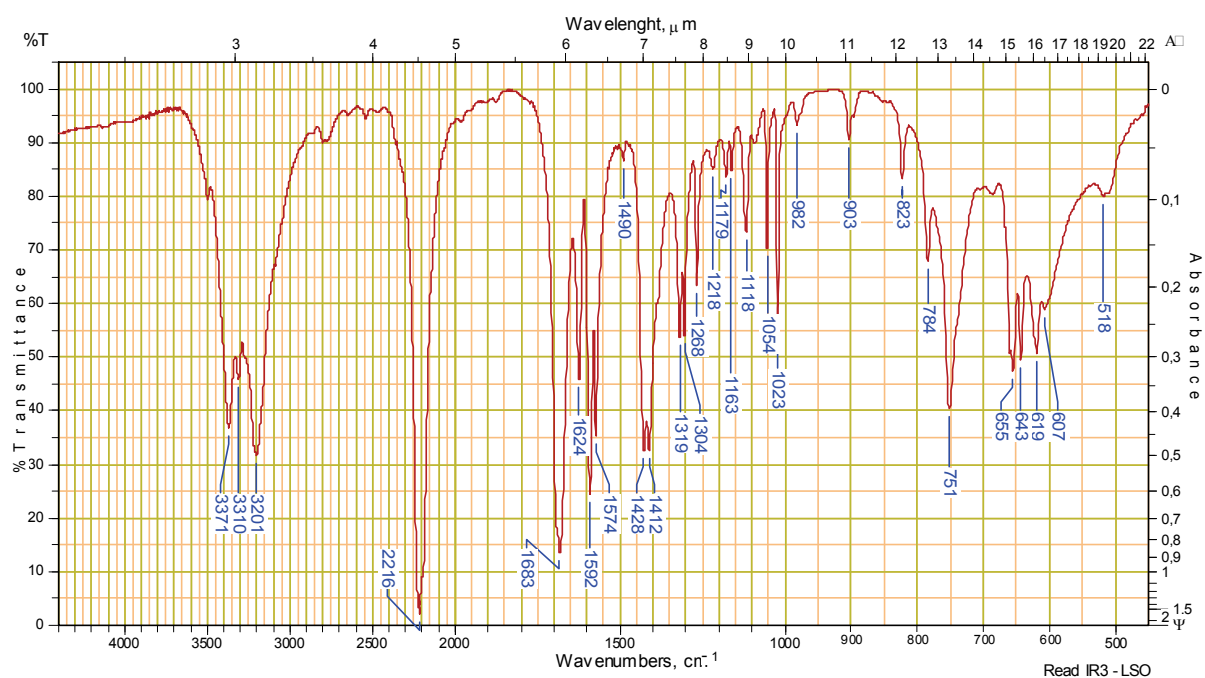


Figure S1. IR spectrum of $[\text{Zn}(\text{NCO})_2(\text{pia})_2]$ (1).

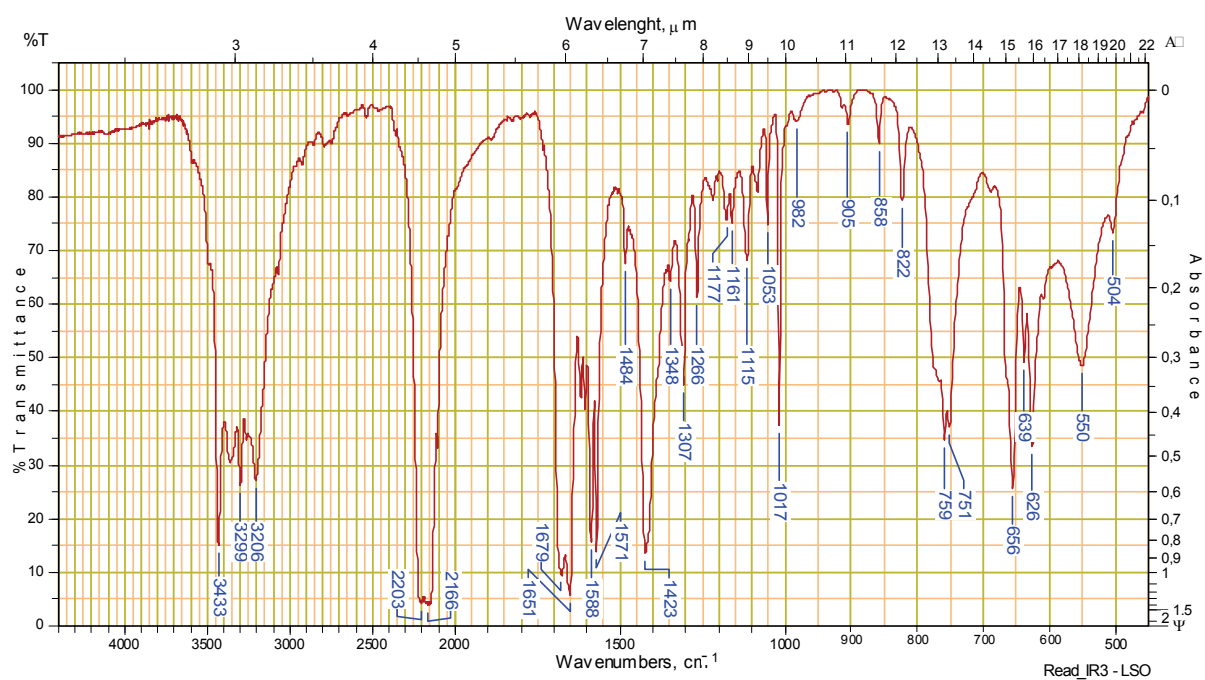


Figure S2. IR spectrum of $[\text{Cd}(\text{NCO})_2(\text{pia})]_n$ (2).

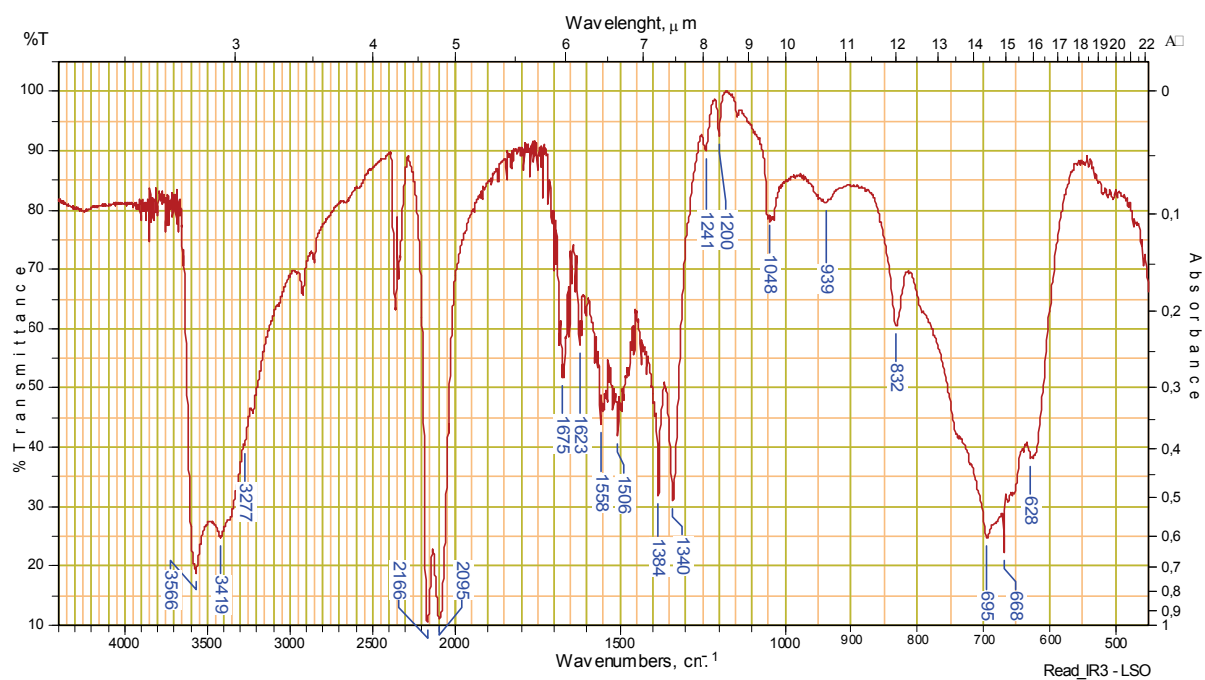


Figure S3. IR spectrum of $[Zn(N_3)_2(pia)_2]$ (**3**).

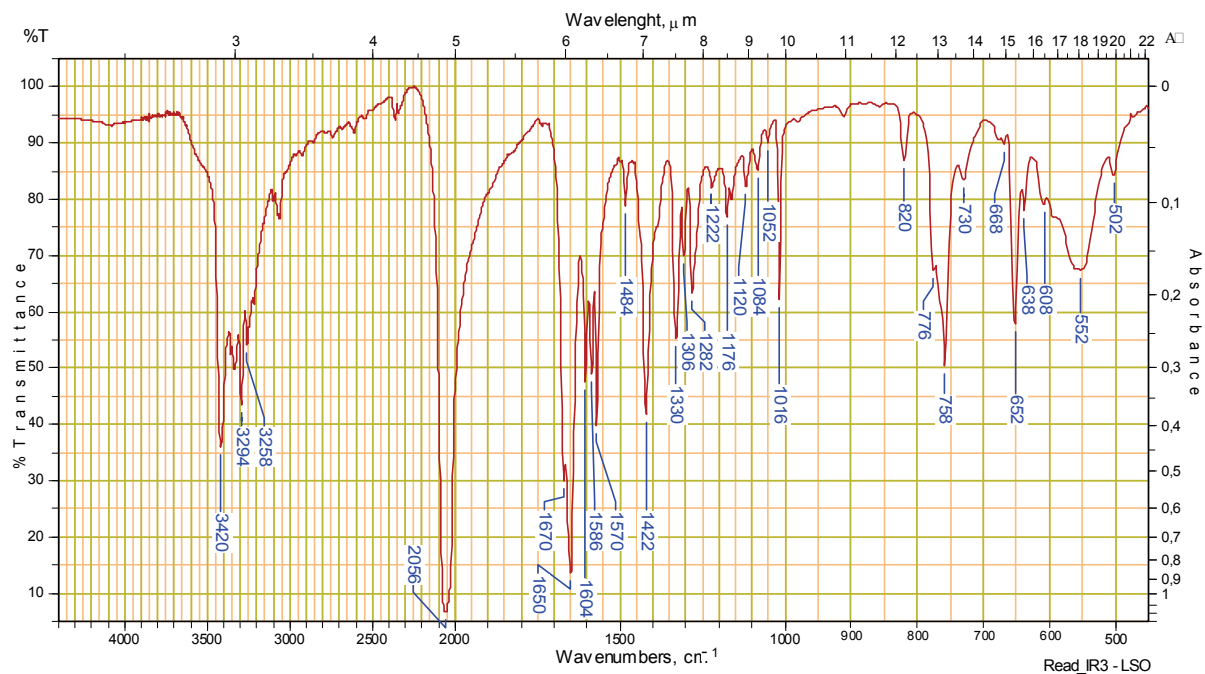


Figure S4. IR spectrum of $[Cd(N_3)_2(pia)]_n$ (**4**).

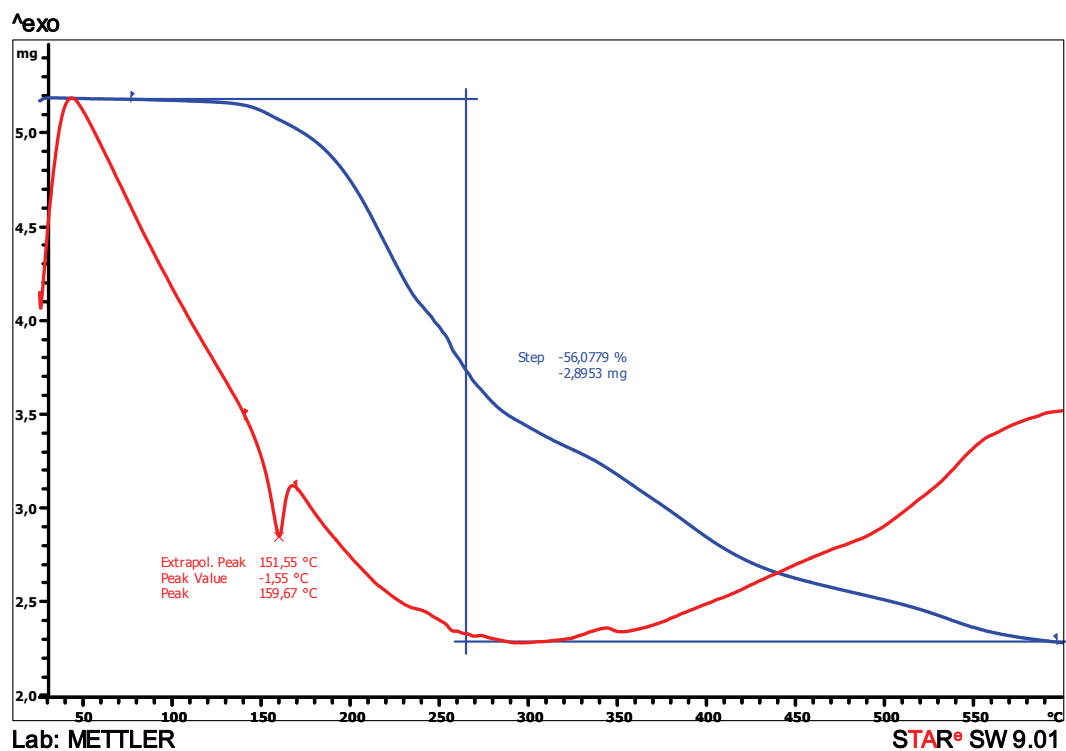


Figure S5. TG/DTA curve of $[\text{Zn}(\text{NCO})_2(\text{pia})_2]$ (**1**).

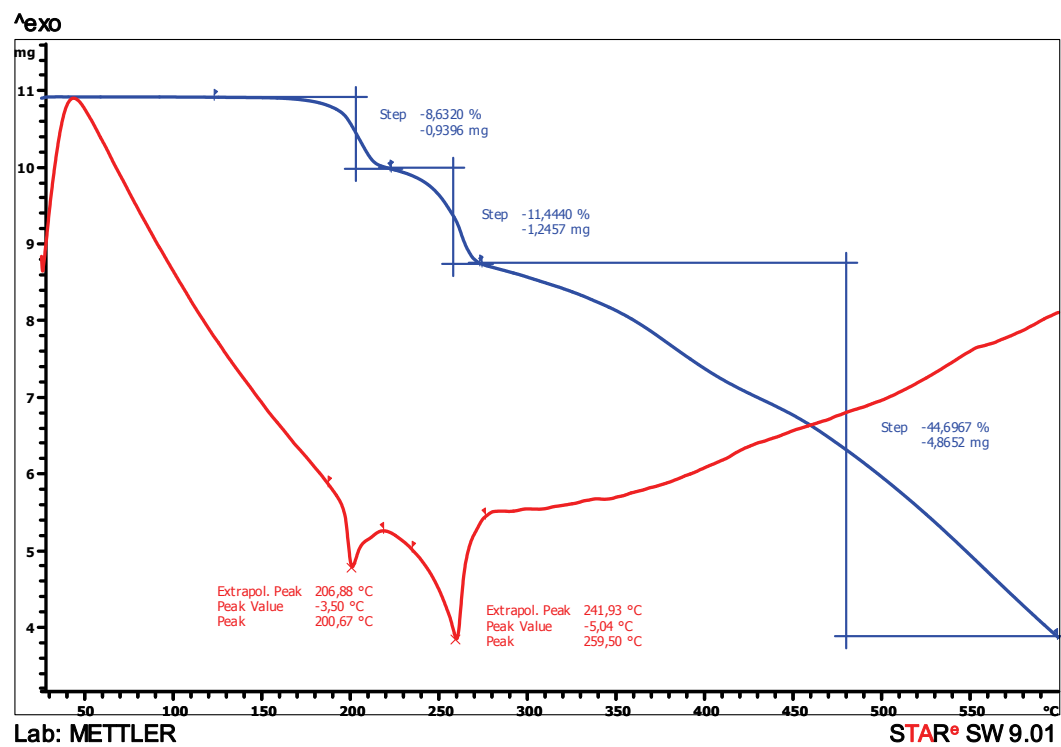


Figure S6. TG/DTA curve of $[\text{Cd}(\text{NCO})_2(\text{pia})]_n$ (**2**).

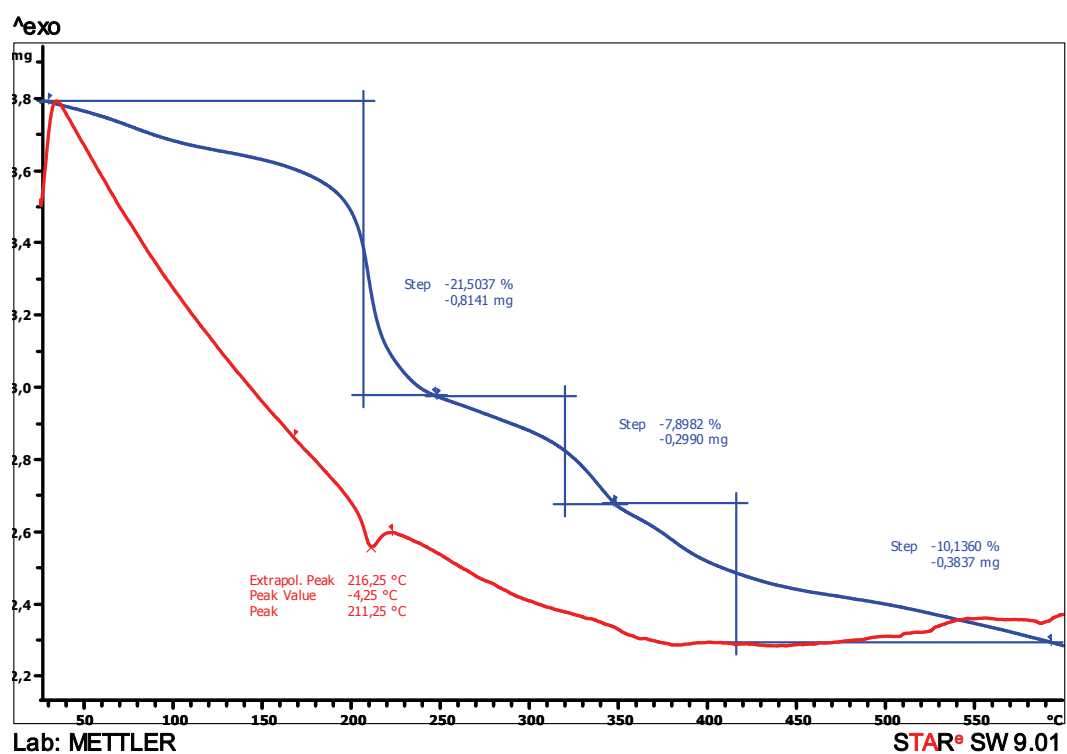


Figure S7. TG/DTA curve of [Zn(N₃)₂(pia)₂] (3).

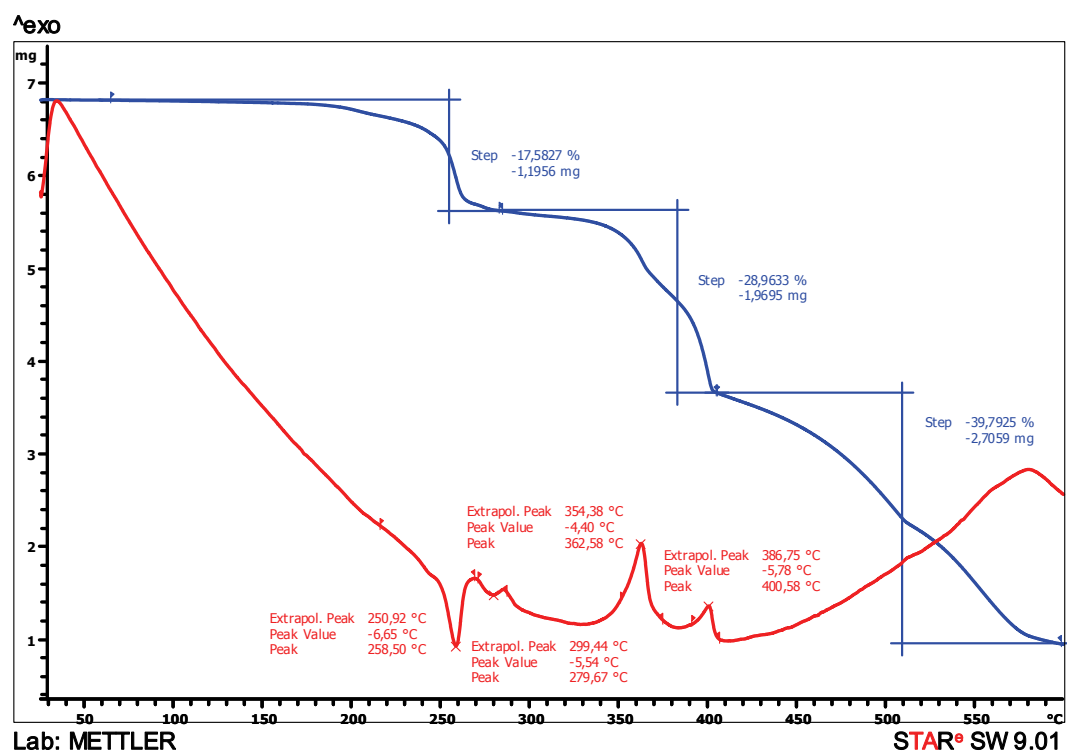


Figure S8. TG/DTA curve of [Cd(N₃)₂(pia)]_n·H₂O (4).