

Figure. S1: (a) Micrograph shows the dimensions of crystal for $[(\text{CH}_3)_2\text{NH}_2]_2\text{PdBr}_4$
(b) the image of the surface of the crystal taken with the objective $\times 50$ of a microscope.

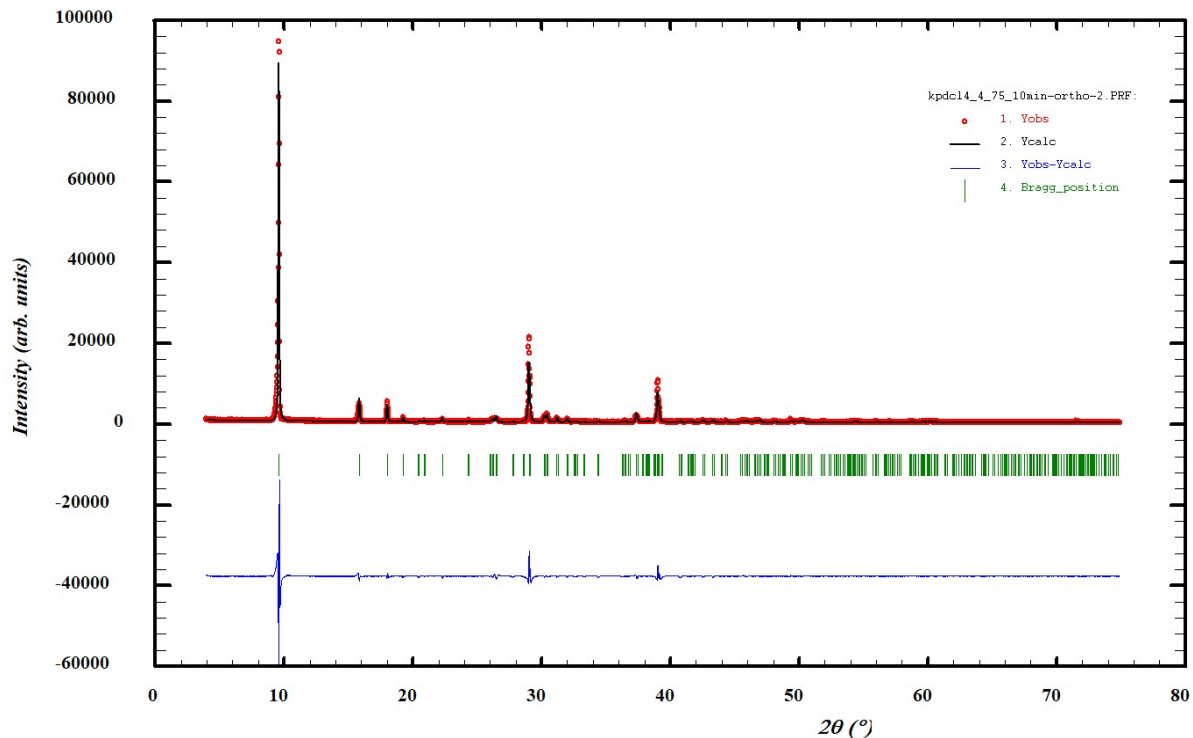


Figure. S2: Plot of the Bail fit of the powder X-ray diffraction pattern recorded at 293 K for $[(\text{CH}_3)_2\text{NH}_2]_2\text{PdBr}_4$: $Cmca$, $a = 18.4521(8)$ Å, $b = 7.3181(8)$ Å, $c = 9.8482(9)$ Å; $R_p = 13.9$, $R_{wp} = 21.8$, $R_{exp} = 3.53$.