

Supporting information

Uniaxial negative thermal expansion in $[(\text{CH}_3)_2\text{NH}_2]\text{PbBr}_3$ hybrid perovskite

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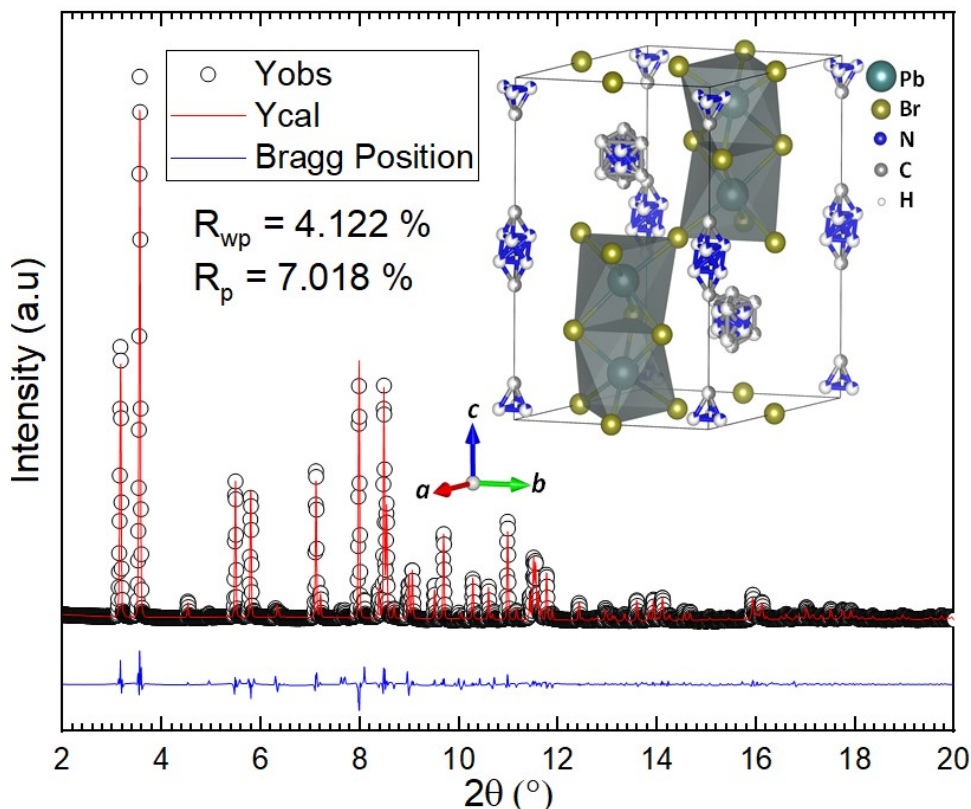


Figure S1 - Le Bail refinement of the $P6_3/mmc$ at 330 K with the ICSD code 402591.

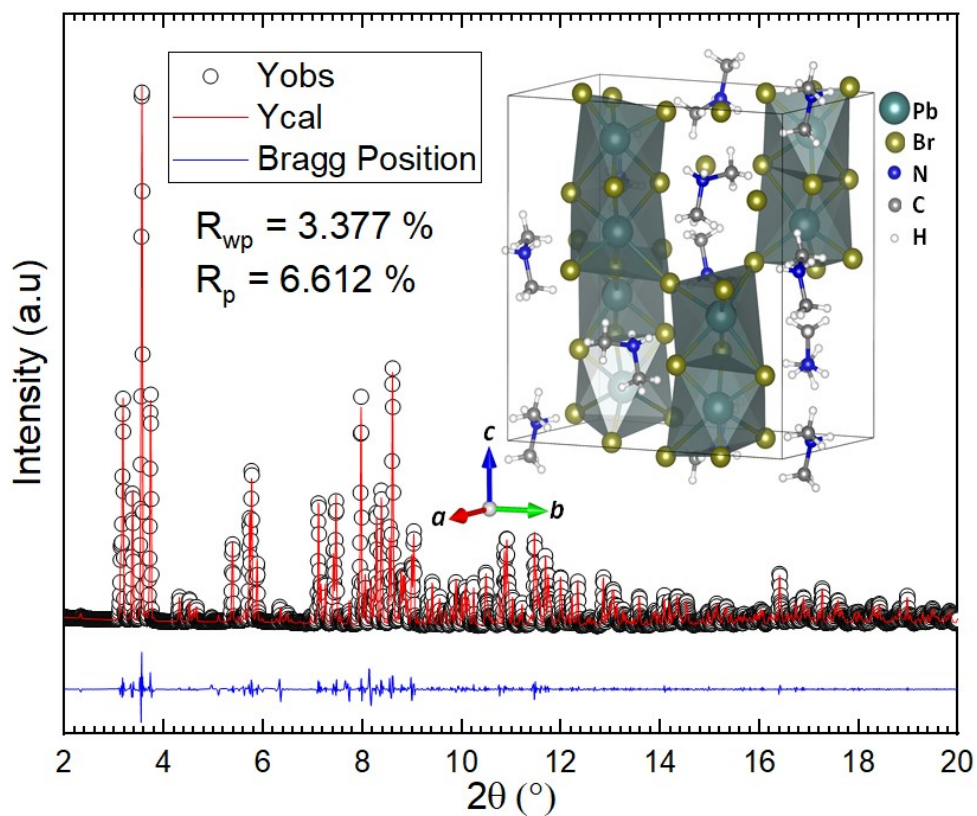


Figure S2 - Le Bail refinement of the $P2_12_12_1$ at 130 K with the CCDC code 1855520.

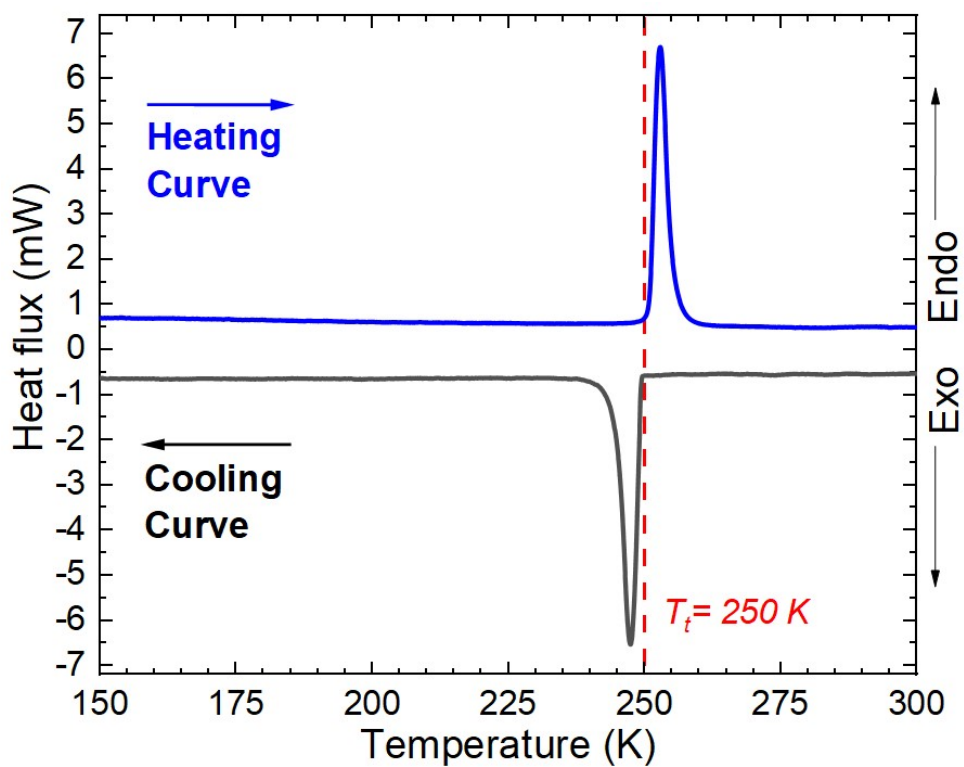


Figure S3 - DSC results as a function of temperature obtained by heating and cooling cycles of the DMAPbBr_3 sample at $5\text{K}\cdot\text{min}^{-1}$ in the 150-300K range.

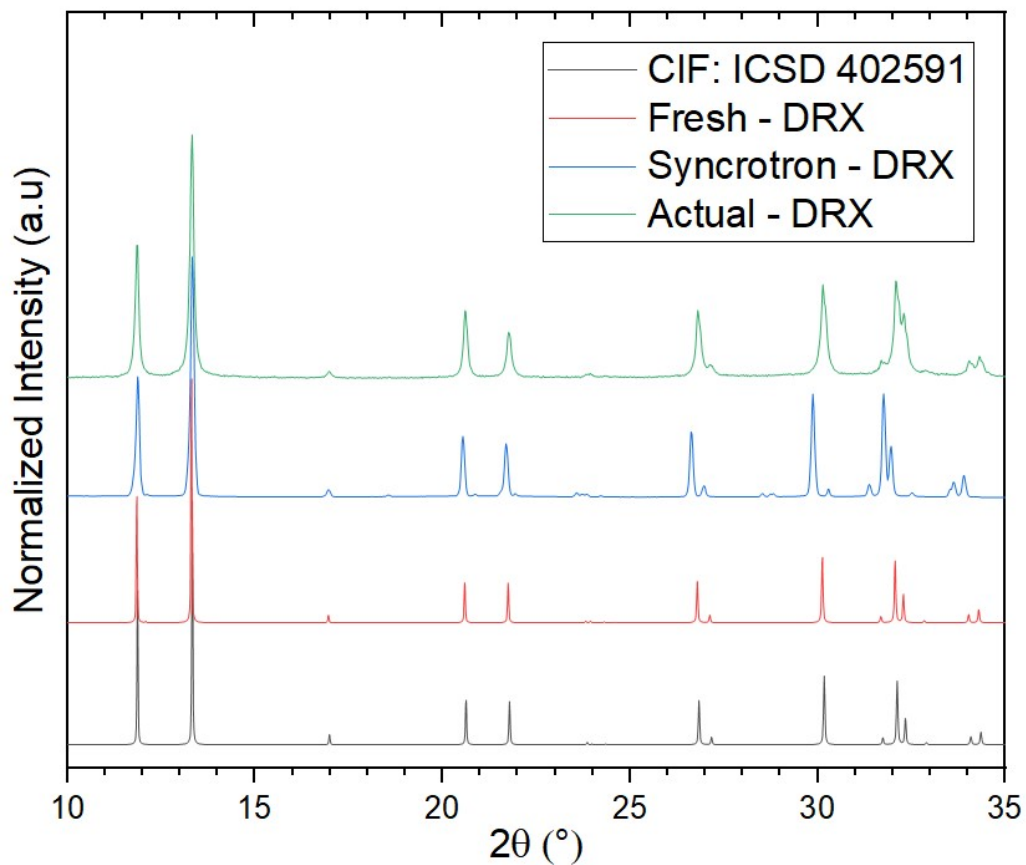


Figure S4. PXRD pattern obtained at room temperature for the polycrystalline sample DMAPbBr₃ after the synthesis, a few months at the synchrotron, and the actual date at ambient conditions, compared with the profile obtained from the single crystal structure from the ICSD 402591 code.