

Electronic Supplementary Information

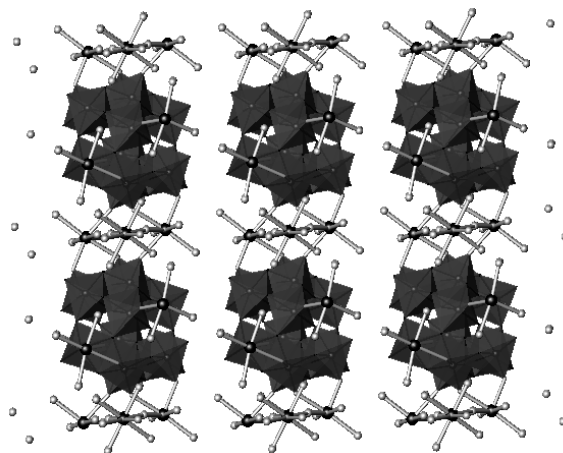


Figure 1-Structure of Na₅[H₇W₁₂O₄₂]·20H₂O looking down the *c*-axis, where WO₆ are shown as grey polyhedra and sodium cations and oxygen atoms both as black spheres.

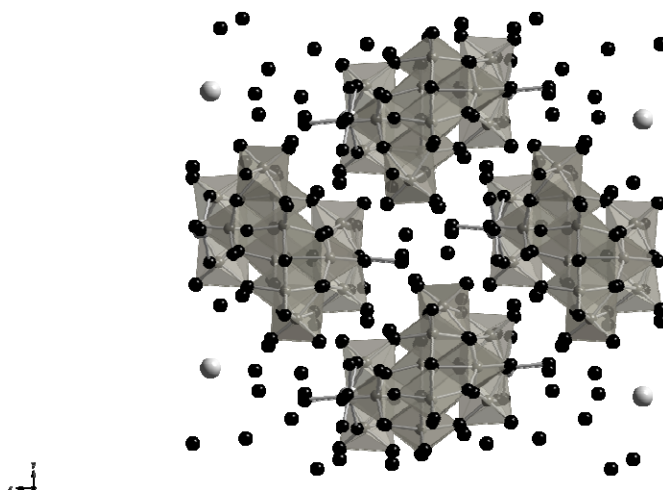


Figure 2-Structure of Na₂[H₁₀W₁₂O₄₂]·20H₂O, looking down the *a*-axis, where WO₆ are shown as grey polyhedra and sodium cations and oxygen atoms both as black spheres.

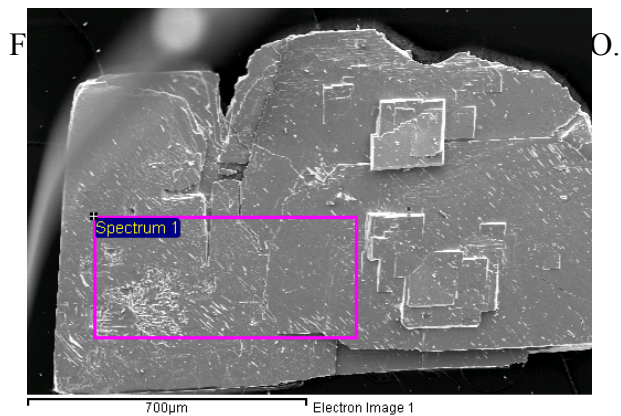
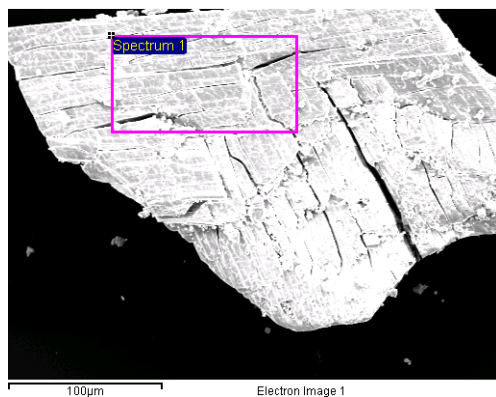


Figure 4-EDS image of $\text{Na}_2[\text{H}_{10}\text{W}_{12}\text{O}_{42}] \cdot 20\text{H}_2\text{O}$.