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Supporting information for article:

Crystal structure of the thortveitite-related M phase, (MnxZn1x)2V2O7 (0.75 < x < 0.913): a combined synchrotron powder and single-crystal X-ray study

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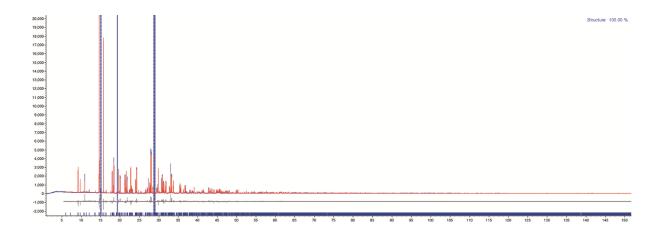


Figure 1: Synchrotron X-ray diffraction pattern obtained from the *M* phase covering the entire range from which reflections were recorded together with the difference plot in grey between the experimental data in blue and the fitted X-ray diffraction pattern obtained by Rietveld refinement in red. Reflections identifiable at low angles as not being from *M* phase were excluded from the Rietveld analysis and are shown as blue shaded regions.

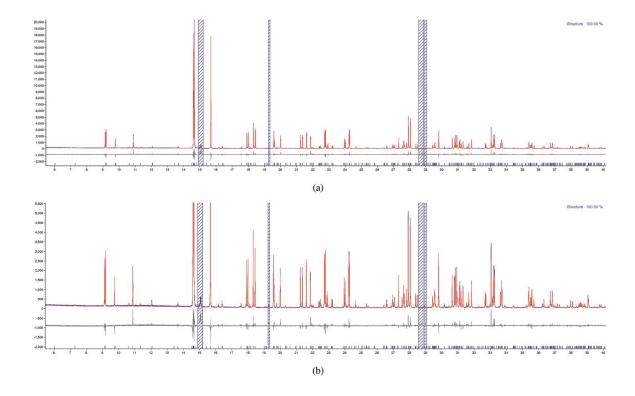
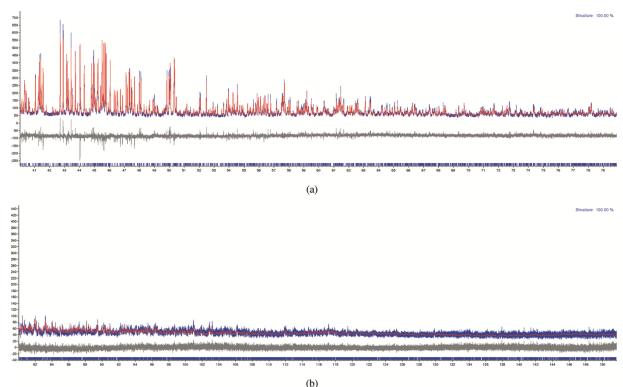


Figure 2: Enlargement of the synchrotron X-ray diffraction pattern for the region 5.5–40°. (a) is the whole pattern of counts within this angular range and (b) is an enlargement of (a) with an upper count limit of 5,500.



Enlargement of the synchrotron X-ray diffraction pattern for the regions (a) $40\text{--}80^\circ$ Figure 3: and (b) 80-152°.