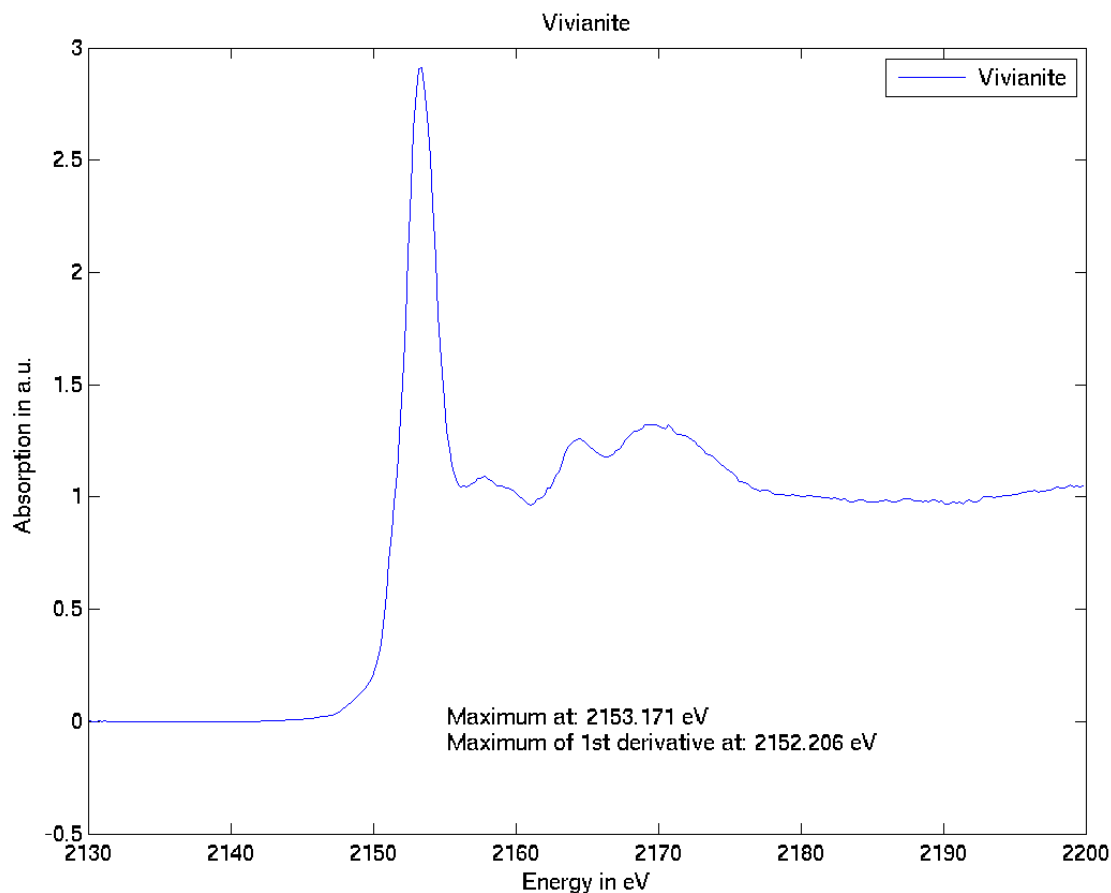


## Vivianite, freshly synthesized



Formula:  $\text{Fe}_3(\text{PO}_4)_2 \cdot 8(\text{H}_2\text{O})$

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Origin: **Synthetic, as described in Rouzies and Millet (1993) and Dijkstra et al. 2014**

Dana's classification number: **40.3.6.1**

System and class crystal: **Monoclinic prismatic**

Space group: **C 2/m**

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Acquisition mode: **fluorescence**

Monochromator: **Si(111)**, calibrated in energy by fixing the position of the maximum of the white-line of hydroxyapatite ( $\text{Ca}_5(\text{PO}_4)_3(\text{OH})$ ) at **2152.7 eV**

Max of the "white-line" (s → p electronic transition) at **2151.171 eV**

Max of the first derivate (taken for normalisation) at **2152.206 eV**

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Comments:

Additional Information: