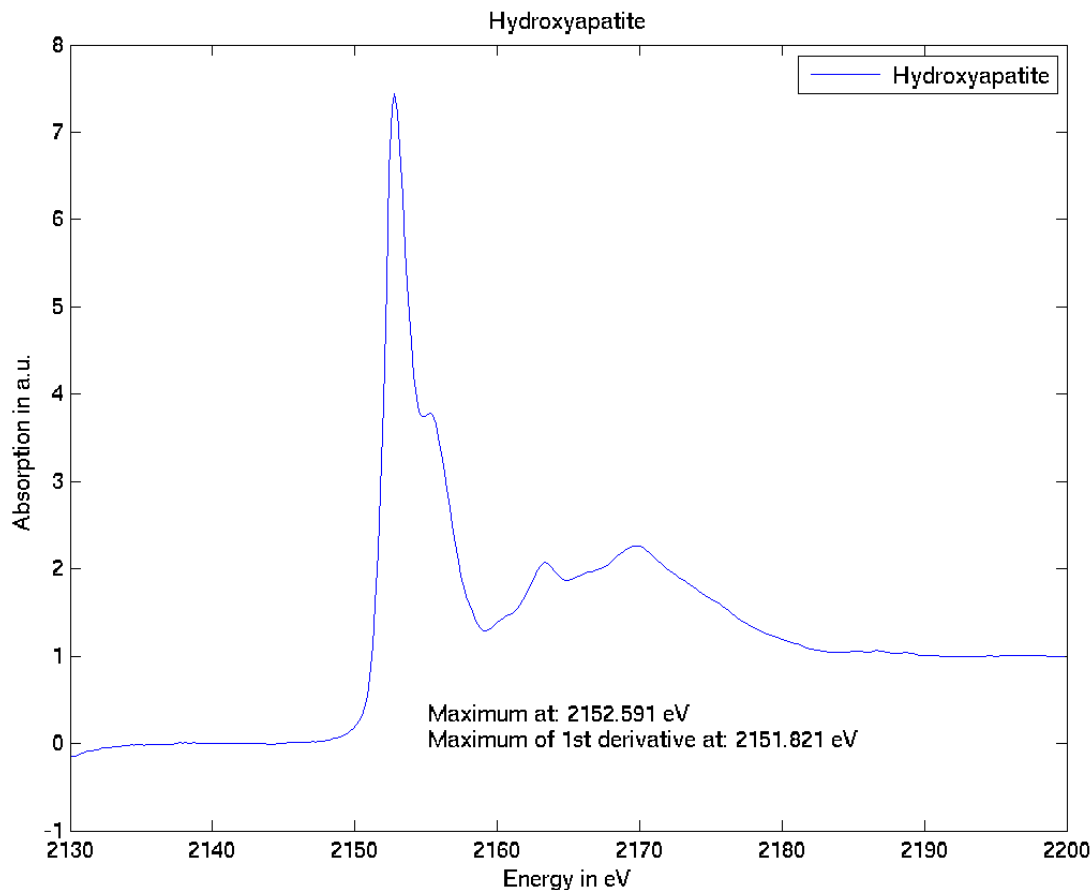


## Hydroxyapatite



Formula:  $\text{Ca}_5(\text{PO}_4)_3(\text{OH})$

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Origin: **Sedimentary apatite from Morocco** described by Harouiya et al. 2011

Dana's classification number: **41.08.01.03**

System and class crystal: **Hexagonal**

Space group: **P 63/m**

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Acquisition mode: **transmission**

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 **2152.591 eV**

Max of the first derivate (taken for normalisation) at **2151.821 eV**

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Comments:

Additional Information: