

Hydroxylherderite - $\text{CaBe}(\text{PO}_4)(\text{OH})$

Hardness: 5 - 5.5. Cleavage: Poor/indistinct. Soluble in some dilute acids (H_3PO_4 , HNO_3 , HCl or H_2SO_4); more rapidly when warm or concentrated. Derust with any dithionite recipe, dilute oxalic acid, acetic acid or citric acid, all of which are tolerated by this mineral.

Most samples labeled as 'herderite' are in fact hydroxylherderite.

References

Mindat: <https://www.mindat.org/min-1962.html>

Handbook of Mineralogy: <https://www.handbookofmineralogy.org/pdfs/hydroxylherderite.pdf>

Rohner, T. (2000) Properly clean minerals online cleaning book.

www.strahlen.org/stepbystep/mineralien-reinigung2.pdf. In German.

Sinkankas, J. (1972) Gemstone & Mineral Data Book, 346 p. Winchester Press, New York.