

Hemimorphite - $\text{Zn}_4\text{Si}_2\text{O}_7(\text{OH})_2 \cdot \text{H}_2\text{O}$

Hardness: 4.5 - 5. Cleavage: Perfect. Fragile; brittle. Avoid steel tools; use care with wooden toothpicks or bamboo splinters. Tolerates sonication. Insoluble in water. Readily soluble in acids, especially in HCl which forms a gel. Also attacked by acetic acid and citric acid. Very slightly attacked by alkalis. Tolerates Iron OUT/EDTA but some samples slightly dulled; Iron OUT (without EDTA) or Jacquard Hydro should be viable alternatives.

References

Mindat: <https://www.mindat.org/min-1860.html>

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

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