

Hauckite - $\text{Fe}^{3+}_3(\text{Mg},\text{Mn}^{2+})_{24}\text{Zn}_{18}(\text{SO}_4)_4(\text{CO}_3)_2(\text{OH})_{81}$

Hardness: 2–3. Cleavage: Perfect. Brittle. Soluble in 5–10% HCl with effervescence. May be sensitive to acetic acid, formic acid, tartaric acid or citric acid.

References

Mindat: <https://www.mindat.org/min-1830.html>

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

Duthaler, R. and Weiß, S. (2024) Mineral Cleaning for Collectors, 3rd Edition, 190 p. Duthaler, Switzerland.