

Jarosite - $\text{KFe}^{3+}_3(\text{SO}_4)_2(\text{OH})_6$

Hardness: 2.5 - 3.5. Cleavage: Distinct/good. Generally tolerant of sonication. Rohner reports that this mineral is water soluble but for practical purposes this species is insoluble. Readily soluble in HCl and other acids. Sensitive to alkalis including soap, detergent, NH_3 , etc.

References

Mindat: <https://www.mindat.org/min-2078.html>

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

Hardinger, S. (2025) Mineral Specimen Cleaning and Development for the Amateur, 339 p.

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.