

Löllingite (Loellingite) - FeAs₂

Hardness: 5 - 5.5. Cleavage: Distinct/good. Slightly soluble in HNO₃. Completely soluble in cold saturated citric acid. Insoluble in HCl; use this acid to remove enclosing calcite. (Rohner reports this mineral is attacked by HCl so if used to remove calcite minimize exposure.) Dull gray coatings are due to surface features and cannot be removed.

References

Mindat: <https://www.mindat.org/min-2426.html>

Handbook of Mineralogy: <https://www.handbookofmineralogy.org/pdfs/lollingite.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.