

Freedite - $\text{Cu}^+\text{Pb}_8(\text{AsO}_3)_2\text{O}_3\text{Cl}_5$

Hardness: 3. Cleavage: Perfect. May be sensitive to acetic acid, formic acid, tartaric acid, citric acid, alkalis, NH_3 or dithionite.

References

Mindat: <https://www.mindat.org/min-1604.html>

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

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