

Wavellite - $\text{Al}_3(\text{PO}_4)_2(\text{OH})_3 \cdot 5\text{H}_2\text{O}$

Hardness: 3.5 - 4. Cleavage: Perfect. Tolerates sonication. Rapidly soluble in acids, especially H_2SO_4 . Even brief exposure to any acid damages luster. Avoid strong detergents, soaps and NH_3 .

References

Mindat: <https://www.mindat.org/min-4250.html>

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