

Wairakite - $\text{Ca}(\text{Al}_2\text{Si}_4\text{O}_{12}) \cdot 2\text{H}_2\text{O}$

Hardness: 5.5–6. Cleavage: Distinct/good. Brittle. Tolerates sonication. Attacked by HCl. Remove calcite with warm acetic acid and manganese hydroxides/oxides with ascorbic acid. Derust with oxalic acid.

References

Mindat: <https://www.mindat.org/min-4230.html>

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

Betts, J. (2023) Mineral cleaning for amateurs.

www.johnbetts-fineminerals.com/jhbnyc/articles/minclean.htm

Tschernich, R. (1992) Zeolites of the World, 597 p. Geoscience Press, Inc., Phoenix, Arizona.

<https://www.mindat.org/reference.php?id=1118707>