

Andradite - $\text{Ca}_3\text{Fe}^{3+}_2(\text{SiO}_4)_3$

Hardness = 6.5 - 7. Cleavage: None reported. Very slightly attacked by warm HCl, but this chemical is acceptable to remove enclosing calcite. Tolerates Iron OUT/EDTA and NH_4HF_2 .

References

Mindat: <https://www.mindat.org/min-223.html>

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

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

Sinkankas, J. (1972) Gemstone & Mineral Data Book, 346 p. Winchester Press, New York.