

Tangdanite (Clinotirolite, Clinotyrolyte) -

$\text{Ca}_2\text{Cu}_9(\text{AsO}_4)_4(\text{SO}_4)_{0.5}(\text{OH})_9 \cdot 9\text{H}_2\text{O}$

Hardness: 2–2.5. Cleavage: Perfect. May be sensitive to acetic acid, formic acid, tartaric acid or citric acid. Sensitive to NH_3 or alkalis. Likely sensitive to dithionite.

References

Mindat: <https://www.mindat.org/min-42724.html>

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

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