

Zodacite - $\text{Ca}_4\text{Mn}^{2+}\text{Fe}^{3+}_4(\text{PO}_4)_6(\text{OH})_4 \cdot 12\text{H}_2\text{O}$

Hardness: 4. Cleavage: Imperfect/fair. Attacked by HCl, H₂SO₄ or oxalic acid. May be sensitive to all acids to some extent.

References

Mindat: <https://www.mindat.org/min-4429.html>

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

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