

Mangazeite - $\text{Al}_2(\text{SO}_4)(\text{OH})_4 \cdot 3\text{H}_2\text{O}$

Hardness: 1–2. Cleavage: None observed. Very sensitive to HCl.

References

Mindat: <https://www.mindat.org/min-28888.html>

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

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