

Ranciéite - $(\text{Ca}, \text{Mn}^{2+})_{0.2}(\text{Mn}^{4+}, \text{Mn}^{3+})\text{O}_2 \cdot 0.6\text{H}_2\text{O}$

Hardness: 2.5–3. Cleavage: No data. Very sensitive to HCl. Attacked by H_2SO_4 or oxalic acid.

References

Mindat: <https://www.mindat.org/min-3360.html>

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

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