

Orientite - $\text{Ca}_8\text{Mn}^{3+}_{10}(\text{SiO}_4)_3(\text{Si}_3\text{O}_{10})_3(\text{OH})_{10} \cdot 4\text{H}_2\text{O}$

Hardness: 4 - 5. Cleavage: Imperfect/fair. Soluble in HCl.

References

Mindat: <https://www.mindat.org/min-3017.html>

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

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