# Orientite - $Ca_8Mn^{3+}_{10}(SiO_4)_3(Si_3O_{10})_3(OH)_{10}\cdot 4H_2O$

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.