

Takanelite - (Mn,Ca)Mn₄O₉·H₂O

Hardness: 5. Cleavage: No data. Very sensitive to HCl. Attacked by H₂SO₄ or oxalic acid.

References

Mindat: <https://www.mindat.org/min-3871.html>

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

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