

Landauite - $\text{NaMnZn}_2(\text{Ti,Fe})_6\text{Ti}_{12}\text{O}_{38}$

Hardness: 7.5. Cleavage: None observed. Very resistant to acids. Soluble only with difficulty in a mixture of HNO_3 and H_2SO_4 .

References

Mindat: <https://www.mindat.org/min-2317.html>

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

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