

Witzkeite - $\text{Na}_4\text{K}_4\text{Ca}(\text{NO}_3)_2(\text{SO}_4)_4 \cdot 2\text{H}_2\text{O}$

Hardness: 2. Cleavage: Distinct/good. Brittle. Water sensitive/soluble and therefore intolerant of any aqueous treatment.

References

Mindat: <https://www.mindat.org/min-42408.html>

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

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