

Numanoite - $\text{Ca}_4\text{Cu}(\text{B}_4\text{O}_6(\text{OH})_6)(\text{CO}_3)_2$

Hardness: 4.5. Cleavage: Perfect. Likely sensitive to all acids to some extent.

References

Mindat: <https://www.mindat.org/min-29100.html>

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

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