

Paranatrolite - $\text{Na}_2\text{Al}_2\text{Si}_3\text{O}_{10} \cdot 3\text{H}_2\text{O}$

Hardness: 5–5.5. Cleavage: None observed. Tolerates sonication. Attacked by HCl. Remove calcite with warm acetic acid and ascorbic acid to remove manganese hydroxides/oxides. Derust with oxalic acid. Irreversibly dehydrates in air (even if coated); store under water immediately after collection.

References

Mindat: <https://www.mindat.org/min-3102.html>

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

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Tschernich, R. (1992) Zeolites of the World, 597 p. Geoscience Press, Inc., Phoenix, Arizona.

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Waller, R. in Howie, F., Ed. (1992) The Care and Conservation of Geological Material, 138 p. Routledge, London.