

## **Analcime - $\text{Na}(\text{AlSi}_2\text{O}_6) \cdot \text{H}_2\text{O}$**

Hardness = 5 - 5.5. Cleavage: Poor/indistinct. Brittle. Rapidly attacked by HCl with gel formation. Luster may be reduced in solutions of soap or detergent. Sinkankas advises to avoid sonication, but Hardinger indicates analcime tolerates brief sonication. Sonicate only briefly. Avoid strong soap solutions. Tolerates Iron OUT. Potentially unstable to acetic acid and formic acid. Lustrous surfaces become dull within 24 hours with  $\text{NH}_4\text{HF}_2$ . Stable to hot alkali.

### References

Mindat: <https://www.mindat.org/min-210.html>

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

Hardinger, S. (2025) Mineral Specimen Cleaning and Development for the Amateur, 339 p.

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