

## Heulandite group - $(\text{Ca},\text{Na})_5(\text{Si}_{27}\text{Al}_9)\text{O}_{72}\cdot 26\text{H}_2\text{O}$

Hardness: 3.5 - 4. Cleavage: Perfect. Brittle; easily cleaved. Soluble in HCl. Acids (types not specified) should be avoided but can be tolerated for a short (unspecified) time if needed. Becomes snow white and matte when exposed to oxalic acid. Avoid strong detergents, soap and  $\text{NH}_3$ . Attacked by hot alkali. Said to be sensitive to prolonged immersion in impure water; use distilled water only.

A group of related zeolites all expected to have similar properties. Data given here for heulandite-Ca.

### References

Mindat: <https://www.mindat.org/min-6988.html>

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

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

Rohner, T. (2000) Properly clean minerals online cleaning book.

[www.strahlen.org/stepbystep/mineralien-reinigung2.pdf](http://www.strahlen.org/stepbystep/mineralien-reinigung2.pdf). In German.

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