

## Paulingite group - $(\text{K}_2, \text{Ca}, \text{Na}_2, \text{Ba})_5[\text{Al}_{10}\text{Si}_{35}\text{O}_{90}] \cdot 45\text{H}_2\text{O}$

Hardness: 5. Cleavage: None observed. Usually intolerant to sonication, which is likely to dislodge crystals from clay matrix. Tolerates HCl but warm acetic acid best for calcite removal. Remove manganese hydroxides/oxides with ascorbic acid. Derust with oxalic acid.

A group of similar zeolites expected to have similar physical and chemical properties. Data given here is for paulingite-K.

### References

Mindat: <https://www.mindat.org/min-7219.html>

Handbook of Mineralogy: <https://www.handbookofmineralogy.org/pdfs/paulingite-K.pdf>

Betts, J. (2023) Mineral cleaning for amateurs.

[www.johnbetts-fineminerals.com/jhbnyc/articles/minclean.htm](http://www.johnbetts-fineminerals.com/jhbnyc/articles/minclean.htm)

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

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