

Paulingite group - $(K_2, Ca, Na_2, Ba)_5[Al_{10}Si_{35}O_{90}] \cdot 45H_2O$

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

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

<https://www.mindat.org/reference.php?id=1118707>