Chabazite group - $(Ca,K_2,Na_2)_2[Al_2Si_4O_{12}]_2 \cdot 12H_2O$

Hardness = 4 - 5. Cleavage: Distinct/good. Brittle. Attacked by HCl but some other acids may be tolerated for a short period. Becomes snow white and matte when treated with oxalic acid. Attacked by 20% formic acid. May be stable to heating with mildly alkaline laboratory cleaner or household dish soap but generally avoid strong detergent, NH_3 or soap. Attacked by hot alkali. Fractured crystals may not tolerate sonication whereas unfractured crystals do but may become dislodged if the matrix is friable.

The chabazite group is a series of minerals in which calcium, potassium, magnesium, sodium or strontium may substitute. The data given here is for Chabazite-(Ca), the most common member.

References

Mindat: https://www.mindat.org/min-6854.html

Handbook of Mineralogy: https://www.handbookofmineralogy.org/pdfs/Chabazite-Ca.pdf

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