

Inesite - $\text{Ca}_2(\text{Mn,Fe})_7\text{Si}_{10}\text{O}_{28}(\text{OH})_2 \cdot 5\text{H}_2\text{O}$

Hardness: 5.5 - 6. Cleavage: Perfect. Readily soluble in acids except for dilute (up to 20%) HNO_3 which is used to etch enclosing calcite (but minimize exposure). Tolerates 1:1 12% H_2O_2 :5% HCl for black stain removal. Readily attacked by NH_4HF_2 .

References

Mindat: <https://www.mindat.org/min-2031.html>

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

Currier, R. (2010) In Hale Creek Mine locality description. www.mindat.org/loc-6438.html.

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.

Wilson, W. and Currier, R. (2001) Mineral specimen mortality. Mineralogical Record, 32 (4), 329–340.