

Grossular - $\text{Ca}_3\text{Al}_2(\text{SiO}_4)_3$

Hardness: 6.5 - 7. Cleavage: None observed. Inert to HCl used to remove enclosing calcite, but some samples maybe intergrown with calcite and thus disintegrate under this treatment. Prolonged exposure of some associated skarn minerals may cause delustering. Tolerates Oron OUT/EDTA. Stable to hot oxalic acid at 6 grams per liter but may be attacked at higher concentration. Stable to NH_4HF_2 .

Varieties/related species (treat same as grossular): Heesonite, plazolite, tsavorite

References

Mindat: <https://www.mindat.org/min-1755.html>

Handbook of Mineralogy: <http://www.handbookofmineralogy.org/pdfs/grossular.pdf>

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Sinkankas, J. (1970) Prospecting for Gemstones and Minerals, 397 p. Van Nostrand Reinhold Company, New York.

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