

Scheelite - $\text{Ca}(\text{WO}_4)$

Hardness: 4.5 - 5. Cleavage: Distinct/good. Brittle. Said to be very slightly soluble in water but no damage seen with numerous samples and prolonged exposure. Very slightly attacked by hot concentrated acids only; mostly inert to cold, dilute acids. Reports on tolerance to HCl are conflicting. One report indicates dilute HCl safe to remove carbonates while another reports dilute HCl causes frosting and some luster loss after 24 hours. Rohner reports sensitivity to NH_3 but this is questionable. Tolerates any dithionite recipe. Insoluble in ethanol.

References

Mindat: <https://www.mindat.org/min-3560.html>

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

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