

## **Bastnäsite group - $\text{Ce}(\text{CO}_3)\text{F}$**

Hardness = 4 - 4.5. Cleavage: Poor/indistinct. Very slowly attacked by cold acids, more rapidly by warm, especially  $\text{H}_2\text{SO}_4$ . May be attacked by derusting formulations containing EDTA or citrate (Iron OUT, Waller's solution or Bridge's solution). Tolerates Jacquard Hydro. Less sensitive to acids than calcite or strontianite.

A group of similar minerals. Data given for bastnäsite-(Ce), the most common member of the group; other group members expected to have similar properties.

### References

Mindat: <https://www.mindat.org/min-42527.html>

Handbook of Mineralogy: <https://handbookofmineralogy.org/pdfs/bastnasite-Ce.pdf>

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.