

## Celestine (Celestite) - $\text{SrSO}_4$

Hardness = 3 - 3.5. Cleavage: Perfect. Brittle; easily cleaved and easily breaks from matrix. Sonicate with care. Crystals have good resistance to acids whereas powder is soluble slowly only in hot concentrated acids. Derust with oxalic acid but check for acid sensitive minerals (calcite, gypsum, etc.) which may be present.

### References

Mindat: <https://www.mindat.org/min-927.html>

Handbook of Mineralogy: <https://www.handbookofmineralogy.org/pdfs/celestine.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.