

Chukhrovite group - $\text{Ca}_3\text{CeAl}_2(\text{SO}_4)\text{F}_{13} \cdot 12\text{H}_2\text{O}$

Hardness: 3. Cleavage: Poor/indistinct. Brittle. May be sensitive to all acids to some extent.

A group of related minerals in which Ca, Ce, Nd and Y content varies, with members expected to have similar physical and chemical properties. Data given here is for chukhrovite-(Ce).

References

Mindat: <https://www.mindat.org/min-1044.html>

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

Duthaler, R. and Weiß, S. (2024) Mineral Cleaning for Collectors, 3rd Edition, 190 p. Duthaler, Switzerland.