

Spheniscidite - $(\text{NH}_4, \text{K})(\text{Fe}^{3+}, \text{Al})_2(\text{PO}_4)_2(\text{OH}) \cdot 2\text{H}_2\text{O}$

Hardness: 1–1.5. Cleavage: No data. Attacked by HCl, H₂SO₄ or oxalic acid. May be sensitive to all acids to some extent. Very sensitive to alkalis.

References

Mindat: <https://www.mindat.org/min-3728.html>

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

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