

Honessite - $(\text{Ni}_{1-x}\text{Fe}^{3+}_x)(\text{OH})_2[\text{SO}_4]_{x/2} \cdot n\text{H}_2\text{O}$

Hardness: 11.5. Cleavage: No data. Attacked by HCl, H₂SO₄ or oxalic acid. May convert to hydrohonessite, depending upon temperature and relative humidity.

Varities/related species (treat same as honessite): Hydrohonessite.

References

Mindat: <https://www.mindat.org/min-1978.html>

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

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