

Hainite-Y - $\text{Na}_2\text{Ca}_4(\text{Y,REE})\text{Ti}(\text{Si}_2\text{O}_7)_2\text{OF}_3$

Hardness: 5. Cleavage: Perfect. Decomposed by HCl.

References

Mindat: <https://www.mindat.org/min-1798.html>

Handbook of Mineralogy: <http://www.handbookofmineralogy.org/pdfs/hainite.pdf>

Sinkankas, J. (1972) Gemstone & Mineral Data Book, 346 p. Winchester Press, New York.