

Thornasite - $\text{Na}_{12}\text{Th}^{4+}_3(\text{Si}_8\text{O}_{19})_4 \cdot 18\text{H}_2\text{O}$

Hardness: No data. Cleavage: No data. Brittle. Radioactive. Attacked by HCl.

References

Mindat: <https://www.mindat.org/min-3947.html>

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

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