

Petersite group - $\text{YCu}_6(\text{PO}_4)_3(\text{OH})_6 \cdot 3\text{H}_2\text{O}$

Hardness: 3–4. Cleavage: None observed. Brittle. Likely sensitive to acids, alkalis, NH_3 and dithionite.

A group of similar minerals varying in REE content, including petersite-(Y), petersite-(La) and petersite-(Ce). Data given here for petersite-(Y).

References

Mindat: <https://www.mindat.org/min-6013.html>

Handbook of Mineralogy: <https://www.handbookofmineralogy.org/pdfs/petersite-Y.pdf>

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