

Samuelsonite - $(\text{Ca}, \text{Ba})\text{Ca}_8\text{Fe}^{2+}_2\text{Mn}^{2+}_2\text{Al}_2(\text{PO}_4)_{10}(\text{OH})_2$

Hardness: 5. Cleavage: Imperfect/fair. Attacked by HCl, H₂SO₄ or oxalic acid. May be sensitive to all acids to some extent.

References

Mindat: <https://www.mindat.org/min-3517.html>

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

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