

Synadelphite - $\text{Mn}^{2+}_9(\text{As}^{5+}\text{O}_4)_2(\text{As}^{3+}\text{O}_3)(\text{OH})_9 \cdot 2\text{H}_2\text{O}$

Hardness: 4.5. Cleavage: Imperfect/fair. Easily soluble in acids, especially HCl. Rapidly undergoes surface alteration when exposed to air.

Varieties/related species (treat same as synadelphite): Hemfibrite

References

Mindat: <https://www.mindat.org/min-3852.html>

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

Hardinger, S. (2025) Mineral Specimen Cleaning and Development for the Amateur, 339 p.

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