Synadelphite - $Mn^{2+}_9(As^{5+}O_4)_2(As^{3+}O_3)(OH)_9 \cdot 2H_2O$

Hardness: 4.5. Cleavage: Imperfect/fair. Easily soluble in acids, especially HCl. Rapidly undergoes surface alternation 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.