

Alluaudite - $(\text{Na,Ca})\text{Mn}^{2+}(\text{Fe}^{3+},\text{Mn}^{2+},\text{Fe}^{2+},\text{Mg})_2(\text{PO}_4)_3$

Hardness = 5.5 - 6. Cleavage: Distinct/good. Slowly soluble in concentrated acids.

References

Mindat: <https://www.mindat.org/min-142.html>

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

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