# Florenceite (Florencite) group - $CeAl_3(PO_4)_2(OH)_6$

Hardness: 5.5–6. Cleavage: Distinct/good. Insoluble in water. Partly soluble in HCl.

A group of similar minerals including florencite-Ce (florencite; stiepelmannite) - $CeAl_3(PO_4)_2(OH)_6$, florencite-La - $LaAl_3(PO_4)_2(OH)_6$, florencite-Nd - $NdAl_3(PO_4)_2(OH)_6$ and florencite-Sm - $SmAl_3(PO_4)_2(OH)_6$, whose physical and chemical properties are expected to be similar. Formula given is for florencite-Ce.

References

Mindat: https://www.mindat.org/min-1560.html

Handbook of Mineralogy: https://www.handbookofmineralogy.org/pdfs/florencite-Ce.pdf

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