

Alunite - $\text{KAl}_3(\text{SO}_4)_2(\text{OH})_6$

Hardness = 3.5 - 4. Cleavage: Distinct/good. Soft; fragile and brittle. Slowly soluble in dilute H_2SO_4 . Insoluble in water. Practically insoluble in HCl and HNO_3 .

References

Mindat: <https://www.mindat.org/min-161.html>

Handbook of Mineralogy: <https://www.handbookofmineralogy.org/pdfs/alunite.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.