

Lazurite - $\text{Na}_7\text{Ca}(\text{Al}_6\text{Si}_6\text{O}_{24})(\text{SO}_4)(\text{S}_3) \cdot \text{H}_2\text{O}$

Hardness: 5 - 5.5. Cleavage: Imperfect/fair. Fragile. Rapidly soluble in HCl with gel formation. Attacked and decolorized by 20% acetic acid. Attacked by HNO_3 or hot alkali. Slightly attacked by NH_4HF_2 .

References

Mindat: <https://www.mindat.org/min-2357.html>

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

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

Rohner, T. (2000) Properly clean minerals online cleaning book.

www.strahlen.org/stepbystep/mineralien-reinigung2.pdf. In German.

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