

Sturmanite - $\text{Ca}_6\text{Fe}^{3+}_2(\text{SO}_4)_{2.5}[\text{B}(\text{OH})_4](\text{OH})_{12}\cdot 25\text{H}_2\text{O}$

Hardness: 2.5. Cleavage: Perfect. Water sensitive. Turns gray but retains luster when treated overnight with Jacquard Hydro; the color was restored after ten minutes in 12% H_2O_2 .

References

Mindat: <https://www.mindat.org/min-3817.html>

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

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

Wight, Q. (1993) The Complete Book of Micromounting, 281 p. Mineralogical Record, Tucson, Arizona.