Dravite - $NaMg_3Al_6(Si_6O_{18})(BO_3)_3(OH)_3(OH)$

Hardness: 7. Cleavage: Poor/indistinct. Hard enough to be cleaned with steel tools. Enclosing calcite removed with dilute HCl or steel tools. Tourmaline group minerals often have different zones of different tourmaline species, so this must be considered, although as a whole tourmaline group minerals have excellent, broad chemical resistance. Stable to Iron OUT/EDTA and hot oxalic acid.

References

Mindat: https://www.mindat.org/min-1318.html

Handbook of Mineralogy: http://www.handbookofmineralogy.org/pdfs/dravite.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.