Cappelenite-(Y) - $Ba(Y,Ce)_6Si_3B_6O_{24}F_2$

Hardness: 6–6.5. Cleavage: No data. Insoluble in water. Easily soluble in HCl.

References

Mindat: https://www.mindat.org/min-889.html

Handbook of Mineralogy: https://www.handbookofmineralogy.org/pdfs/cappelenite-Y.pdf

Crawford, J. (2009) Solubility data on 646 common and not so common minerals. www.mindat.org/article.php/553/

Deeson, A., Ed. (1973) The Collector's Encyclopedia of Rocks & Minerals, 288 p. Clarkson N. Potter, Inc., New York.

Duthaler, R. and Weiß, S. (2024) Mineral Cleaning for Collectors, 3rd Edition, 190 p. Duthaler, Switzerland.

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