Tritomite group - $Ce_5(SiO_4,BO_4)_3(OH,O)$

Hardness: 5.5–6. Cleavage: None observed. Insoluble in water. Dissolves in HCl with gel formation.

A group of similar minerals varying in REE content, expected to have similar physical and chemical properties. Formula given here is for tritomite-(Ce).

References

Mindat: https://www.mindat.org/min-9136.html

Handbook of Mineralogy: https://www.handbookofmineralogy.org/pdfs/tritomite-Ce.pdf

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