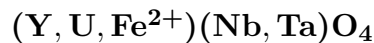


**Yttrocolumbite-(Y)**

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**Crystal Data:** [Orthorhombic; metamict] [by analogy to yttrotantalite-(Y)]. *Point Group:* n.d. *Habit* not stated.**Physical Properties:** Hardness = 5 D(meas.) = 5.49 D(calc.) = n.d. Strongly radioactive.**Optical Properties:** [Opaque.] *Color:* Black. *Streak:* Brown. *Luster:* Vitreous. *Optical Class:* [Isotropic.] *n* = n.d.  
R: n.d.**Cell Data:** *Space Group:* n.d. *Z* = n.d.**X-ray Powder Pattern:** n.d.

<b>Chemistry:</b>	(1)		(1)
UO <sub>3</sub>	3.10	Al <sub>2</sub> O <sub>3</sub>	1.62
Nb <sub>2</sub> O <sub>5</sub>	31.21	Y <sub>2</sub> O <sub>3</sub>	14.06
Ta <sub>2</sub> O <sub>5</sub>	21.50	Ce <sub>2</sub> O <sub>3</sub>	2.01
As <sub>2</sub> O <sub>5</sub>	0.10	Fe <sub>2</sub> O <sub>3</sub>	10.52
SiO <sub>2</sub>	1.78	MnO	5.08
TiO <sub>2</sub>	1.20	MgO	0.66
ZrO <sub>2</sub>	0.25	CaO	1.87
SnO <sub>2</sub>	0.66	LOI	1.33
ThO <sub>2</sub>	2.65	Total	99.60

(1) Mozambique.

**Occurrence:** [A rare accessory mineral in granite pegmatites.]**Association:** n.d.**Distribution:** From an unspecified locality in Mozambique.**Name:** As the niobium (*columbium*) analog of yttrotantalite.**Type Material:** n.d.**References:** (1) Lepierre, C. (1937) Yttrocolumbite de Moçambique. Mem. Acad. Ciên. Lisboa, Cl. Ciên., 1, 374 (in Portuguese) [yttrocolumbite = yttrocolumbite-(Y)]. (2) (1940) Mineral. Abs., 7, 470 (abs. ref. 1).