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Crystal Data: Monoclinic. Point Group: 2 or 2/m. As bladed crystals, to 100 μ m, with $\{001\}$, $\{101\}$, $\{100\}$, $\{011\}$, and $\{110\}$; as parallel platy and radiating groups. Twinning: On $\{001\}$.

Physical Properties: Cleavage: $\{100\}$, perfect. Hardness = ~ 1 D(meas.) = n.d. D(calc.) = [6.23]

Optical Properties: Semitransparent. Color: Yellow-orange; yellow with a slight greenish tint in thin section.

Optical Class: Biaxial (-). Orientation: Z = b; $X \simeq (100)$; $Y \simeq \bot (001)$. $\alpha = 1.89(1)$ (α') $\beta = 1.95(1)$ (β') $\gamma = 2.02(1)$ 2V(meas.) = n.d.

Cell Data: Space Group: $P2_1$ or $P2_1/m$. a = 5.874(5) b = 8.700(5) c = 7.070(5) $\beta = 105^{\circ}27(5)'$ Z = 2

X-ray Powder Pattern: Uganda.

3.405 (100), 2.273 (52), 6.83 (36), 1.767 (21), 3.337 (18), 2.627 (17), 3.117 (14)

Chemistry:

	(1)	(2)
WO_3	70.68	70.81
Al_2O_3	0.05	
Ce_2O_3		25.06
RE_2O_3	24.12	
$\mathrm{Fe_2O_3}$	0.15	
CaO	0.17	
$\mathrm{H_2O^+}$	4.80	4.13
Total	99.97	100.00

(1) Nyamulilo mine, Uganda; RE = La 5.5%, Ce 41.8%, Pr 6.0%, Nd 24.8%, Sm 6.8%, Eu 1.1%, Gd 3.4%, Tb 0.3%, Dy 1.6%, Ho 0.2%, Er 0.3%, Tm 0.07%, Yb 0.3%, Lu 0.07%, Y 7.7%; corresponds to $(RE_{0.94}Ca_{0.02})_{\Sigma=0.96}(W_{1.94}Fe_{0.01})_{\Sigma=1.95}[O_{5.60}(OH)_{3.40}]_{\Sigma=9.00}$. (2) $CeW_2O_6(OH)_3$.

Occurrence: In oxidized tungsten deposits.

Association: Ferberite.

Distribution: In the Kirwa and Nyamulilo mines, Kigezi district, southwestern Uganda.

Name: For CERium and TUNGSten in the composition.

Type Material: University of Helsinki, Helsinki, Finland.

References: (1) Sahama, T.G., O. von Knorring, and M. Lehtinen (1970) Cerotungstite, a cerian analogue to yttrotungstite, from Uganda. Bull. Geol. Soc. Finland, 42, 223–228. (2) (1972) Amer. Mineral., 57, 1558–1559 (abs. ref. 1). (3) Sahama, T.G. (1981) The secondary tungsten minerals, a review. Mineral. Record, 12, 81–87.