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Crystal Data: Monoclinic. *Point Group:* 2/m, m or 2. Crystals are rounded micaceous plates, flattened on $\{010\}$ and elongated along [100], in rosettes, to 5 mm. *Twinning:* On $\{001\}$.

Physical Properties: Cleavage: Perfect on $\{010\}$. Hardness = 2.5 D(meas.) = 3.13(10) D(calc.) = 3.23 Radioactive.

Optical Properties: Translucent to opaque. *Color:* Pale greenish yellow, pale green; very pale yellow in transmitted light. *Luster:* Pearly.

Optical Class: Biaxial (–). Orientation: $Y = b; Z \wedge a = 3^{\circ}-4^{\circ}.$ $\alpha = 1.534(2)$ $\beta = [1.590(4)]$ $\gamma = 1.600(2)$ $2V(meas.) = 44^{\circ}$

Cell Data: Space Group: P2/m, Pm, or P2. a = 9.208(5) b = 32.09(3) c = 8.335(4) $\beta = 90.3(1)^{\circ}$ Z = 5

X-ray Powder Pattern: Kamoto-East mine, Congo. 15.9 (100), 7.31 (70), 4.17 (70), 3.072 (60b), 4.58 (50), 4.01 (30), 9.20 (20)

Chemistry:

	(1)
UO_3	30.32
CO_2	18.92
Y_2O_3	4.91
La_2O_3	1.50
Ce_2O_3	0.50
Pr_2O_3	2.36
Nd_2O_3	13.58
$\mathrm{Sm}_2\mathrm{O}_3$	5.54
$\mathrm{Dy}_2\mathrm{O}_3$	2.96
CaO	5.99
$\mathrm{H_2O}$	13.49
Total	100.07

(1) Kamoto-East mine, Congo; by electron microprobe, average of ten analyses, CO₂, H₂O by gas chromatography; corresponds to $Ca_{1.01}(Nd_{0.76}Y_{0.42}Sm_{0.30}Dy_{0.14}Pr_{0.14}La_{0.08}Ce_{0.04})_{\Sigma=1.88}$ $(UO_2)_{1.00}(CO_3)_{4.08}(OH)_{1.50} \cdot 5.57H_2O$.

Occurrence: A very rare secondary mineral in the oxidized zone of a uranium-bearing Cu–Co deposit.

Association: Uraninite, uranophane, kamotoite-(Y), astrocyanite-(Ce), françoisite-(Nd), schuilingite-(Nd), masuyite.

Distribution: From the Kamoto-East Cu–Co mine, five km west of Kolwezi, Katanga Province, Congo (Shaba Province, Zaire).

Name: For Shaba, a former name of Katanga Province, Congo.

Type Material: Royal Belgian Institute of Natural Sciences, Brussels, Belgium, RC3511.

References: (1) Deliens, M. and P. Piret (1989) La shabaïte-(Nd), $Ca(TR)_2(UO_2)(CO_3)_4$ (OH)₂.6H₂O, nouvelle espèce minérale de Kamoto, Shaba, Zaïre. Eur. J. Mineral., 1, 85–88 (in French with English abs.). (2) (1990) Amer. Mineral., 75, 433–434 (abs. ref. 1).