Crystal Data: Monoclinic. *Point Group*: 2/m. As radiating sprays of striated prisms or blades, to ~ 1 mm, elongate and striated along [100], flattened on $\{010\}$, and with steeply sloping terminations. The prism forms are $\{010\}$ and $\{001\}$.

Physical Properties: Cleavage: Perfect on $\{\bar{1}\ 02\}$, fair on $\{001\}$. Tenacity: Brittle. Fracture: Uneven. Hardness = ~ 2 D(meas.) = n.d. D(calc.) = 4.187 Moderate neon-green fluorescence under 405 nm laser.

Optical Properties: Transparent. *Color*: Light yellow. *Streak*: Very pale yellow. *Luster*: Vitreous. *Optical Class*: Biaxial (-). $\alpha = 1.602(2)$ $\beta = 1.660(2)$ $\gamma = 1.680(2)$ 2V(meas.) = 59(1)° 2V(calc.) = 59.1° *Dispersion*: Moderate r > v. *Orientation*: Y = b, $Z \land a = 35$ ° in obtuse β . Non-pleochroic.

Cell Data: Space Group: $P2_1/c$. a = 5.5698(2) b = 15.2877(6) c = 13.3724(9) $\beta = 94.015(7)^{\circ}$ Z = 4

X-Ray Diffraction Pattern: Burro mine, Slick Rock district, San Miguel Co., Colorado, USA. 5.00 (100), 4.43 (51), 10.05 (38), 3.567 (33), 3.341 (29), 2.623 (28), 4.75 (23)

Chemistry:		(1)	(2)
	UO_3	79.60	79.88
	C_2O_3	[10.02]	10.06
	H_2O	[10.03]	10.06
	Total	99.65	100.00

(1) Burro mine, Slick Rock district, San Miguel Co., Colorado, USA; average electron microprobe, IR and Raman spectroscopic analyses, C_2O_3 and H_2O calculated from structure; corresponds to $[(U_{1.00}O_2)_2(C_2O_4)(OH)_2(H_2O)_2]\cdot H_2O$. (2) $[(UO_2)_2(C_2O_4)(OH)_2(H_2O)_2]\cdot H_2O$.

Mineral Group: Oxalate group.

Occurrence: As post-mining, secondary efflorescent crusts on asphaltum-quartz matrix of mine walls. Hosted in deposits of the Colorado Plateau type with uranium mineralization in intimate association with carbonaceous plant material.

Association: Feynmanite, gypsum (Burro mine); abernathyite, gypsum, tyuyamunite, uranopilite (Markey mine).

Distribution From the Burro mine, Slick Rock district, San Miguel Co., Colorado and the Markey mine, Red Canyon, White Canyon mining district, San Juan Co., Utah, USA.

Name: Identifies a mineral with essential uranyl (UR) and oxalate (OX) components.

Type Material: Natural History Museum of Los Angeles County, Los Angeles, California, USA (73514 and 73515 Burro mine, 73516 and 73517 Markey mine)

References: (1) Kampf, A.R., J. Plášil, B.P. Nash, I. Němec, and J. Marty (2020) Uroxite and metauroxite, the first two uranyl oxalate minerals. Mineral. Mag., 84, 131-141.