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Crystal Data: Monoclinic. Point Group: 2/m. As crystals, tabular on $\{010\}$, elongated along [001], with arcuate terminations, to 3 mm; typically in rosettes of subparallel individuals.

Physical Properties: Cleavage: Perfect on $\{010\}$ and $\{100\}$; good on $\{001\}$. Fracture: Conchoidal. Hardness = 4 D(meas.) = 4.9(1) D(calc.) = 4.78 Radioactive.

Optical Properties: Transparent to nearly opaque. Color: Dark green to black; yellow-green in transmitted light. Streak: Green. Luster: Vitreous to greasy. Optical Class: Biaxial (+). Orientation: Z = b; $X \wedge c = 21.9^{\circ}$; $Y \wedge a = 36.2^{\circ}$. Dispersion: r > v, strong. $\alpha = 1.90(3)$ $\beta = 1.93(3)$ $\gamma = 1.96(3)$ $2V(\text{meas.}) = 90^{\circ}$ $2V(\text{calc.}) = 91.3(1)^{\circ}$

Cell Data: Space Group: C2/m. a = 19.94(1) b = 6.116(2) c = 5.520(3) $\beta = 104.18(5)^{\circ}$ Z = 2

X-ray Powder Pattern: Cap Garonne mine, France. 4.100 (100), 3.734 (90), 4.815 (80), 2.482 (60), 4.425 (40), 4.276 (40), 3.254 (40)

Chemistry:

	(1)	(2)
MoO_3	29.16	30.43
SO_3	0.27	
UO_3	31.78	30.23
Al_2O_3	0.10	
CuO	33.36	33.63
H_2O	5.8	5.71
Total	100.47	100.00

(1)

 (\mathbf{n})

(1) Cap Garonne mine, France; by electron microprobe, average of three analyses, H_2O by TGA, $(MoO_4)^{2-}$ and $(OH)^{1-}$ shown present by IR; corresponds to $Cu_{3.96}(UO_2)_{1.05}Al_{0.02}(MoO_4)_{1.91}$ (SO₄)_{0.03}(OH)_{6.08}O_{0.06}. (2) $Cu_4(UO_2)(MoO_4)_2(OH)_6$.

Occurrence: Very rare in the oxidized portion of a uranium deposit in sandstone.

Association: Metazeunerite, atacamite, paratacamite, malachite, barite.

Distribution: From the Cap Garonne mine, near le Pradet, Var, France.

Name: Honors Jean Claude Delory (1953–), French mineral collector and land surveyor, Toulon, France, who collected the first specimens.

Type Material: Natural History Museum, Geneva, Switzerland, 435/82.