

Crystal Data: Orthorhombic. *Point Group:* 2/m 2/m 2/m. As irregular grains and polycrystalline aggregates to 100 mm.

Physical Properties: *Cleavage:* None. *Fracture:* Conchoidal to uneven. *Tenacity:* Brittle. Hardness = 3.5 VHN = 225 (15 g load). D(meas.) = n.d. D(calc.) = 6.76

Optical Properties: Opaque. *Color:* Brownish to light maroon. *Streak:* Brownish black.

Luster: Metallic.

Optical Class: n.d. *Pleochroism:* Distinct, light grayish brown to cream. *Anisotropism:* Strong, orange to blue-black, with undulose extinction.

R₁-R₂: (470) 32.5-34.5 (17.7-19.7)_{oil}, (546) 32.95-36.3 (18.0-21.4)_{oil}, (589) 33.3-36.8 (18.3-21.6)_{oil}, (650) 34.0-36.9 (19.1-21.7)_{oil}

Cell Data: *Space Group:* Pmcn. *a* = 4.0341(4) *b* = 27.056(3) *c* = 9.5559(9) *Z* = 4

X-ray Powder Pattern: El Dragón mine, Quijarro Province, Department of Potosí, Bolivia. 3.579 (100), 3.075 (84), 3.180 (77), 1.920 (76), 3.065 (75), 6.547 (58), 3.165 (56)

Chemistry:	(1)	(2)
Cu	35.9	35.84
Fe	1.25	
Ni	0.35	
Bi	20.3	19.64
Se	42.5	44.52
Total	100.3	100.00

(1) El Dragón mine, Quijarro Province, Department of Potosí, Bolivia; average of 24 electron microprobe analyses; corresponding to (Cu_{5.98}Fe_{0.24}Ni_{0.06})_{Σ=6.28}Bi_{1.03}Se_{5.70}. (2) Cu₆BiSe₄(Se₂).

Occurrence: Forms inclusions in compositionally zoned krut'aite masses, in a low-temperature hydrothermal vein-type deposit.

Association: Krut'aite, clausthalite, klockmannite, umangite, tiemannite, watkinsonite, petrovicite.

Distribution: At the El Dragón mine, Quijarro Province, Department of Potosí, Bolivia.

Name: For the locality that provided the first specimens.

Type Material: Canadian Museum of Nature, Ottawa, Canada (CMNMC 86154) and the Department of Materials Engineering and Physics, University of Salzburg, Austria (M17.001, M17.002, and M17.003).

References: (1) Paar, W.H., M.A. Cooper, Y. Moëlo, C.J. Stanley, H. Putz, D. Topa, A.C. Roberts, J. Stirling, J.G. Raith, and R. Rowe (2012) Eldragónite, Cu₆BiSe₄(Se₂), a new mineral species from the El Dragón mine, Potosí, Bolivia, and its crystal structure. *Can. Mineral.*, 50, 281-294.

(2) (2014) *Amer. Mineral.*, 99, 1513 (abs. ref. 1).