

Crystal Data: Monoclinic. *Point Group:* 2/m. As subhedral to anhedral grains to 200 μm , or as lath-shaped, thin plates, to 100 μm , intergrown with other phases.

Physical Properties: *Cleavage:* None. *Tenacity:* Brittle. *Fracture:* Irregular. Hardness = 2-2.5 VHN = 37-50 42 average (20 g load). D(meas.) = n.d. D(calc.) = 8.26

Optical Properties: Opaque. *Color:* Black, cream to light grey in reflected light. *Streak:* Black. *Luster:* Metallic. *Bireflectance:* Slight. *Pleochroism:* Slight, from grayish cream to cream. *Anisotropism:* Weak, khaki to pale blue.

Optical Class: n.d.

R₁-R₂: (400) 46.7-46.9, (420) 46.9-47.1, (440) 47.1-47.4, (460) 47.3-47.9, (470) 47.3-48.1, (480) 47.4-48.4, (500) 47.4-48.7, (520) 47.4-48.9, (540) 47.4-49.0, (546) 47.4-49.0, (560) 47.3-49.0, (580) 47.2-49.0, (589) 47.1-49.0, (600) 47.0-48.9, (620) 46.9-48.8, (640) 46.7-48.6, (650) 46.6-48.5, (660) 46.5-48.4, (680) 46.4-48.2, (700) 46.3-48.0

Cell Data: *Space Group:* P2₁/c. *a* = 6.853(1) *b* = 7.635(1) *c* = 7.264(1) β = 97.68(1) $^\circ$ *Z* = 4

X-ray Powder Pattern: El Dragón mine, Department of Potosí, Bolivia.

2.986 (100), 3.97 (90), 2.620 (60), 2.808 (50), 3.100 (40), 2.290 (35), 2.385 (30)

Chemistry:	(1)
Cu	9.31
Ag	0.73
Hg	11.43
Pb	13.55
Co	0.03
Ni	0.17
Bi	31.17
Se	34.00
Total	100.39

(1) El Dragón mine, Province of Antonio Quijarro, Department of Potosí, Bolivia; average of 5 electron microprobe analyses; corresponds to (Cu_{0.68}Hg_{0.27}Ag_{0.03}Ni_{0.01}) $\Sigma=0.99$ (Bi_{0.69}Pb_{0.31}) $\Sigma=1.00$ Se_{2.01}.

Polymorphism & Series: Polymorphous with grundmannite.

Occurrence: In a vein cutting interbedded pyritiferous black shales and hematite-bearing siltstones.

Association: Watkinsonite, clausthalite, eldragónite, krut'aite-penroseite solid solution, eskebornite, kloekmannite, umangite, petrovicite, grundmannite, gold.

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

Name: Honors Hans Block (1881-1953), for his contributions to fostering Bolivian mining.

Type Material: Natural History Museum, London, England (BM 2015, 136) and the Mineralogical State Collection, Munich, Germany ('Reich der Kristalle') (MSM 73573).

References: (1) Förster, H.-J., L. Bindi, C.J. Stanley, and G. Grundmann (2017) Hansblockite, (Cu,Hg)(Bi,Pb)Se₂, the monoclinic polymorph of grundmannite: a new mineral from the Se mineralization at El Dragón (Bolivia). *Mineral. Mag.*, 81(3), 629-640. (2) (2018) *Amer. Mineral.*, 103, 832 (abs. ref. 1).