

Crystal Data: Hexagonal. *Point Group:* 6mm. Hexagonal grains form a thin rim lining cavities and fractures in chalcocite-bornite ore; or as intensely twinned lathlike grains to 120 μm in aggregates, to 1 mm, in a network-like texture within a quartz-bearing bornite-digenite-chalcocite-covellite-sphalerite matrix; as inclusions in putzite. *Twining:* Ubiquitous by an unknown law.

Physical Properties: *Cleavage:* None. *Tenacity:* Brittle. *Fracture:* Irregular to subconchoidal. Hardness = 3.5 VHN = 193-264, 227 average (25 g load). D(meas.) = n.d. D(calc.) = 4.892

Optical Properties: Opaque. *Color:* Gray, grayish white with a distinct brownish tint in reflected light, red internal reflections occasionally observed along fractures. *Streak:* Black. *Luster:* Metallic. *Optical Class:* Anisotropism: Weak, in shades of gray. In oil and between slightly uncrossed polars, the rotation tints are pinkish grey to bluish green. Twins typically visible as straight lamellae of varying thickness.

R₁-R₂: (470) 24.5-25.2, (546) 24.1-24.5, (589) 24.5-25.1, (650) 23.4-23.7

Cell Data: *Space Group:* P6₃mc. *a* = 7.5238(8) *c* = 12.390(3) *Z* = 2

X-ray Powder Pattern: Capillitas deposit, Catamarca Province, Argentina. 5.767 (100), 1.881 (48), 3.151 (35), 2.884 (28), 2.416 (26), 1.744 (26), 3.215 (25)

Chemistry:	(1)	(2)
Cu	42.72	42.64
Ag	0.14	
Fe	0.17	
Ge	7.84	8.12
W	20.89	20.56
S	27.79	28.68
Total	99.55	100.00

(1) Capillitas deposit, Department of Andalgalá, Catamarca Province, Argentina; average electron microprobe analysis; corresponding to Cu_{6.09}Ag_{0.01}Fe_{0.03}Ge_{0.98}W_{1.03}S_{7.86}. (2) Cu₆GeWS₈.

Occurrence: In an epithermal bornite-rich ore in a copper, silver, and gold deposit.

Association: Bornite, digenite, chalcocite, covellite, sphalerite, hübnerite, luzonite, wittichenite, putzite, omariniite, a briartite-type phase, quartz.

Distribution: From two specimens from old dumps near the La Rosario vein, Capillitas deposit, Department of Andalgalá, Catamarca Province, Argentina.

Name: For the Province of *Catamarca*, where the new mineral species was found.

Type Material: Systematic collection, Division of Mineralogy, Department of Material Science, University of Salzburg, Austria (14931 and 14932).

References: (1) Putz, H., W.H. Paar, D. Topa, E. Makovicky, and A.C. Roberts (2006) Catamarcaite, Cu₆GeWS₈, A new germanium sulfide mineral species from Capillitas, Catamarca, Argentina: Description, paragenesis and crystal structure. *Can. Mineral.*, 44, 1481-1497.