

**Crystal Data:** Cubic. *Point Group:* n.d. Botryoidal and spherulitic aggregates, to 0.2 mm, as rims around chromium.

**Physical Properties:** Hardness = 4.2 VHN = 234–288 (20 g load). D(meas.) = n.d. D(calc.) = 7.36

**Optical Properties:** Opaque. *Color:* Silver-white to grayish white; white with a milky blue tint in reflected light, slightly yellowish compared to chromium. *Luster:* Strong metallic.

R: (470) [71.0], (546) 68.5, (589) 67.9, (650) [66.7]

**Cell Data:** *Space Group:* n.d.  $a = 7.7615$   $Z = 12$

**X-ray Powder Pattern:** Danba, China.

2.0803 (10), 2.3552 (5), 2.1574 (4), 1.3732 (4), 1.5901 (3), 1.2256 (3), 1.2154 (3)

**Chemistry:**

	(1)	(2)	(3)
Cu	33.12	32.52	32.70
Zn	66.70	67.47	67.30
Total	99.82	99.99	100.00

(1) Danba, China; by electron microprobe, corresponding to Cu<sub>1.00</sub>Zn<sub>1.96</sub>. (2) Do.; corresponding to Cu<sub>1.00</sub>Zn<sub>2.02</sub>. (3) CuZn<sub>2</sub>.

**Occurrence:** In a platinum-bearing Cu–Ni deposit in a highly altered ultramafic intrusion.

**Association:** Chromium, pyrrhotite, pentlandite, chalcopyrite, violarite, cubanite, bornite, sphalerite, galena, linnaeite, magnetite, testibiopalladite, sudburyite, sperrylite, omeiite, gold.

**Distribution:** From Danba, Sichuan Province, China [TL].

**Name:** For the locality at Danba in China.

**Type Material:** n.d.

**References:** (1) Yue Shuqin, Wang Wenying, Liu Jinding, Sun Shuqiong, and Che Dianfen (1983) A study on danbaite. *Kexue Tongbao*, 22, 1383–1386 (in Chinese). (2) (1984) *Amer. Mineral.*, 69, 566 (abs. ref. 1).