

**Crystal Data:** Monoclinic. *Point Group:* 2/m. As aggregates of prismatic crystals, elongated along [001], to 0.2 mm. *Twinning:* Multiple, with twin and composition plane {100}.

**Physical Properties:** *Cleavage:* None. *Fracture:* Uneven. *Tenacity:* Brittle.  
Hardness = n.d. D(meas.) = n.d. D(calc.) = 6.72

**Optical Properties:** Transparent. *Color:* Colorless. *Streak:* White. *Luster:* Vitreous.  
*Optical Class:* Biaxial.  $\alpha = 1.72$   $\beta = \text{n.d.}$   $\gamma = 2.10$

**Cell Data:** *Space Group:* C2/c.  $a = 12.061(1)$   $b = 4.836(1)$   $c = 5.383(1)$   $\beta = 104.60(4)^\circ$   $Z = 4$

**X-ray Powder Pattern:** Cetine mine, Siena, Italy.  
3.244 (100), 2.877 (68), 2.920 (33), 2.640 (23), 1.861 (21), 1.783 (21), 1.812 (20)

**Chemistry:**

	(1)
Sb	99.19 wt. %

(1) Cetine mine, Siena, Italy; average electron microprobe analysis; corresponds to Sb<sub>2.00</sub>O<sub>4</sub>.

**Occurrence:** In vugs in waste rock from an antimony mine.

**Association:** Valentinite, tripuhyite, bindheimite, rosiaite.

**Distribution:** From the Cetine mine, Siena, Italy.

**Name:** The prefix, *clino*, indicates the monoclinic analog of *cervantite*.

**Type Material:** Department of Earth Science, University of Genoa, Italy.

**References:** (1) Basso, R., G. Lucchetti, L. Zefiro, and A. Palenzona (1999) Clinocervantite,  $\beta$ -Sb<sub>2</sub>O<sub>4</sub>, the natural monoclinic polymorph of cervantite from the Cetine mine, Siena, Italy. *Eur. J. Mineral.*, 11, 95-100.