

**Crystal Data:** Hexagonal. *Point Group:*  $\bar{3}$ . Platy hexagonal crystals, to 0.2 mm, flattened on {0001}, in dense aggregates and incrustations. *Twinning:* On {0001}, polysynthetic, common.

**Physical Properties:** *Cleavage:* Perfect on {0001}. *Tenacity:* Flexible. Hardness = n.d. VHN = 41–70, 57 average (15 g load). D(meas.) = 4.8(2) D(calc.) = 4.95

**Optical Properties:** Transparent. *Color:* Colorless, light pink or yellow in aggregates. *Streak:* White. *Luster:* Pearly. *Optical Class:* Uniaxial (-).  $\omega = [1.84]$   $\epsilon = 1.631$

**Cell Data:** *Space Group:*  $R\bar{3}$ .  $a = 5.301(1)$   $c = 15.932(4)$   $Z = 6$

**X-ray Powder Pattern:** Cetine mine, Italy.

1.874 (100), 2.365 (69), 1.471 (69), 2.650 (67), 5.30 (53), 3.00 (50), 1.185 (47)

Chemistry:	(1)	(2)
Sb <sub>2</sub> O <sub>5</sub>	83.28	83.92
Na <sub>2</sub> O	15.98	16.08
Total	99.26	100.00

(1) Cetine mine, Italy; by electron microprobe, average of 40 analyses on three grains.

(2) NaSbO<sub>3</sub>.

**Occurrence:** A weathering product of stibnite in an antimony deposit in highly silicified limestone.

**Association:** Stibiconite, mopungite, cetineite, sénarmontite.

**Distribution:** In the Cetine mine, 20 km southwest of Siena, Tuscany, Italy.

**Name:** Honors Dr. Giancarlo Brizzi (1936–1992), mineral collector who discovered the first specimens.

**Type Material:** University of Florence, Florence, Italy, 2037/RI.

**References:** (1) Olmi, F. and C. Sabelli (1994) Brizziite, NaSbO<sub>3</sub>, a new mineral from the Cetine mine (Tuscany, Italy): description and crystal structure. *Eur. J. Mineral.*, 6, 667–672. (2) (1995) *Amer. Mineral.*, 80, 630 (abs. ref. 1).