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Crystal Data: Hexagonal. Point Group: $\overline{3}$. Crystals are tabular on {001}, showing only {001} with a characteristic coinlike circular outline, to 200 μ m; usually in aggregates of crystals.

Physical Properties: Tenacity: Brittle. Hardness = ~ 4.5 VHN = 322–469, 386 average (15 g load). D(meas.) = n.d. D(calc.) = 4.65

Optical Properties: Transparent. Color: Emerald-green. Streak: Pale green. Luster: Adamantine. Optical Class: Uniaxial (-). $\omega = 1.802(2)$ $\epsilon = 1.797(2)$

Cell Data: Space Group: $P\overline{3}$. a = 8.197(2) c = 7.312(1) Z = 3

X-ray Powder Pattern: Is Murvonis mine, Sardinia, Italy. 2.522 (100), 1.550 (100), 1.805 (92), 2.166 (88), 1.513 (85), 4.11 (55), 3.66 (52)

Chemistry:

	(1)
As_2O_5	23.07
Sb_2O_5	6.59
SiO_2	0.71
CuO	43.56
ZnO	19.48
H_2O	[6.05]
Total	[99.46]

(1) Is Murvonis mine, Sardinia, Italy; by electron microprobe, average of 20 spots on four crystals, H_2O calculated from direct determination of O content, structural H_2O absent by IR; corresponds to $Cu_{2.19}Zn_{0.96}(As_{0.80}Sb_{0.16}Si_{0.05})_{\Sigma=1.01}O_{4.31}(OH)_{2.69}$.

Occurrence: A rare mineral in the oxidized zone of a hydrothermal copper deposit, formed by weathering of sulfides and sulfosalts.

Association: Theisite, malachite, azurite, tetrahedrite.

Distribution: From the Is Murvonis mine, Domusnovas, Iglesias district, Sardinia, Italy.

Name: To honor Dr. Cesare Sabelli (1934–), Consiglio Nazionale della Ricerche, Florence, Italy, who has worked with the copper-bearing alteration minerals of Sardinia, Italy.

Type Material: Museum of Natural History, University of Florence, Florence, Italy, 2053/RI.

References: (1) Olmi, F., A. Santucci, and R. Trosti-Ferroni (1995) Sabelliite, a new copper-zinc arsenate-antimonate mineral from Sardinia, Italy. Eur. J. Mineral., 7, 1325–1330. (2) Olmi, F., C. Sabelli, and R. Trosti-Ferroni (1995) The crystal structure of sabelliite. Eur. J. Mineral., 7, 1331–1337. (3) (1996) Amer. Mineral., 81, 1014–1015 (abs. refs. 1–2).