Crystal Data: Triclinic. Point Group: 1. As lamellar aggregates, to 1 mm, of tabular crystals elongated on [100] to 100 μ m.

Physical Properties: Cleavage: Perfect on {001} and {010}, poor on {100}. Fracture: Splintery. *Tenacity*: Brittle. Hardness = < 2 VHN = 30 (10 g load). D(meas.) = n.d. D(calc.) = 3.276

Optical Properties: Transparent. *Color*: Cinnabar-red. *Streak*: Reddish. *Luster*: Vitreous to resinous.

Optical Class: Biaxial. n(calc.) = 2.5(3) Parallel extinction to the cleavage traces and negative elongation. *Pleochroism*: Strong, yellow along [100], orange-red \perp [100].

Cell Data: Space Group: $P\overline{1}$. a = 9.704(1) b = 11.579(1) c = 12.102(2) $a = 112.82(1)^{\circ}$ $\beta = 103.44(1)^{\circ}$ $\gamma = 90.49(1)^{\circ}$ Z = 2

X-ray Powder Pattern: Cumbë Sûrdë quarry, Upper Susa Valley, Torino, Piedmont, Italy. 10.7 (vs), 5.75 (s), 2.875 (s), 2.762 (s), 2.537 (s), 5.33 (m), 4.155 (m)

Chemistry:		(1)
	Κ	4.57
	Na	0.05
	T1	0.13
	Ν	0.48
	As	35.69
	Sb	21.69
	S	34.69
	0	1.52
	H	[0.33]
	Total	99.14

(1) Cumbë Sûrdë quarry, Upper Susa Valley, Torino, Piedmont, Italy; electron microprobe and Raman spectroscopic analyses; corresponds to

 $[K_{1,43}(NH_4)_{0,42}Na_{0,02}Tl_{0,01}]_{\Sigma=1.88}(As_{5.82}Sb_{2.18})_{\Sigma=8.00}S_{13,22}\cdot 1.2H_2O.$

Occurrence: In an evaporite deposit probably formed by highly alkaline, low-temperature hydrothermal fluids.

Association: Sulfur, orpiment, gypsum.

Distribution: From the Cumbë Sûrdë quarry, Signols, Oulx, Upper Susa Valley, Torino, Piedmont, Italy.

Name: Honors Pierluigi Ambrino (b. 1947), the mineral collector who provided the specimens.

Type Material: Natural History Museum, University of Pisa (19500) and the Natural Science Museum, Turin (M/15824), Italy.

References: (1) Biagioni, C., E. Bonaccorsi, M. Pasero, Y. Moëlo, M.E. Ciriotti, D. Bersani, A.M. Callegari, and M. Boiocchi (2011) Ambrinoite, (K,NH₄)₂(As,Sb)₈S₁₃·H₂O, a new mineral from Upper Susa Valley, Piedmont, Italy: The first natural (K.NH₄)-hydrated sulfosalt. Amer. Mineral., 96, 878-887.