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Crystal Data: Monoclinic. Point Group: 2/m. Crystals are tabular on $\{100\}$, elongated along [010] or [001], showing $\{100\}$, $\{011\}$, $\{001\}$, to 2 cm; in radial to globular aggregates.

Physical Properties: Cleavage: $\{100\}$, perfect. Fracture: Uneven to conchoidal. Hardness = ~ 5 VHN = 438–490 (50 g load). D(meas.) = 4.6(1) on altered material. D(calc.) = 4.74–4.80

Optical Properties: Opaque. Color: Brown to black, red-brown when altered; creamy white in reflected light. Luster: Metallic to semimetallic.

Optical Class: Biaxial. Anisotropism: Noted.

 R_1-R_2 : (470) 15.4–16.0, (546) 15.3–15.8, (589) 14.8–15.2, (650) 14.2–15.0

Cell Data: Space Group: $P2_1/m$. a = 10.595-10.616 b = 3.242-3.252 c = 8.931-8.945 $\beta = 108.89^{\circ}-108.95^{\circ}$ Z = 2

X-ray Powder Pattern: Pizzo Cervandone, Italy. 2.749 (100), 2.811 (94), 2.391 (85), 2.985 (67), 1.779 (48), 1.709 (35), 1.754 (32)

Chemistry:

	(1)	(2)
${ m TiO}_2$	10.09	11.17
Fe_2O_3	17.13	17.93
As_2O_3	46.95	46.76
FeO	23.12	24.23
MnO	1.25	0.89
Total	98.54	100.98

(1) Pizzo Cervandone, Italy; by electron microprobe, average of seven analyses; Fe^{2+} : Fe^{3+} from crystal-structure analysis, total Mn as MnO, As^{3+} confirmed by IR; corresponding to $(Fe^{2+}_{1.38}Fe^{3+}_{0.92}Ti_{0.54}Mn_{0.08})_{\Sigma=2.92}O_2(As_2O_5)$. (2) Binntal, Switzerland; by electron microprobe, average of ten analyses; corresponding to $(Fe^{2+}_{1.40}Fe^{3+}_{0.93}Ti_{0.58}Mn_{0.05})_{\Sigma=2.96}O_2(As_2O_5)$.

Occurrence: Deposited from arsenic-bearing solutions in Alpine fissures in gneisses of the upper greenschist to lower amphibolite facies.

Association: Asbecasite, cafarsite, cervandonite, anatase, chlorite, feldspar, mica, quartz.

Distribution: On the east flank of Pizzo Cervandone, Alpe Devero, Val d'Aosta, Piedmont, Italy. At Gorb, Binntal, Valais, Switzerland.

Name: For Fe, Ti, As in its composition.

Type Material: Natural History Museum, Basel; Mineralogical Institute, University of Basel, Switzerland.

References: (1) Graeser, S., H. Schwander, F. Demartin, C.M. Gramaccioli, T. Pilati, and E. Reusser (1994) Fetiasite (Fe²⁺, Fe³⁺, Ti)₃O₂[As₂O₅], a new arsenite mineral: its description and structure determination. Amer. Mineral., 79, 996–1002.