

Crystal Data: Monoclinic. *Point Group:* $2/m$. As prismatic crystals to 0.7 mm, sometimes with rounded corners and edges.

Physical Properties: *Cleavage:* Perfect on {010}. *Fracture:* Irregular. *Tenacity:* Brittle. Hardness = n.d. $D(\text{meas.}) = \text{n.d.}$ $D(\text{calc.}) = 2.458$

Optical Properties: Transparent. *Color:* Colorless to yellowish. *Streak:* n.d. *Luster:* Vitreous. *Optical Class:* Biaxial (+). $\alpha = 1.612(2)$ $\beta = 1.618(2)$ $\gamma = 1.632(2)$ $2V(\text{meas.}) = \sim 40^\circ$ $2V(\text{calc.}) = 66^\circ$ *Pleochroism:* None. *Orientation:* Optical axis parallel to (010).

Cell Data: Space Group: $P2_1/n$. $a = 6.633(1)$ $b = 8.831(1)$ $c = 8.773(1)$ $\beta = 96.106(8)^\circ$ $Z = 4$

X-ray Powder Pattern: Monte Falò mine, Verbano-Cusio-Ossola Province, Italy. 4.721 (100), 3.539 (93), 5.533 (27), 6.167 (14), 4.998 (14), 2.830 (14), 4.353 (12)

Chemistry:	(1)	(2)
SO ₂	32.88	33.73
FeO	29.38	37.82
MnO	10.58	
CaO	0.02	
MgO	0.01	
Na ₂ O	0.05	
H ₂ O	[27.07]	28.45
Total	100.00	100.00

(1) Monte Falò mine, Verbano-Cusio-Ossola Province, Italy; average of 16 electron microprobe analyses supplemented by IR spectroscopy, H₂O calculated by difference; corresponding to $(\text{Fe}^{2+}_{0.774}\text{Mn}^{2+}_{0.282}\text{Ca}_{0.001}\text{Mg}_{0.001}\text{Na}_{0.003})_{\Sigma=1.061}(\text{S}_{0.971}\text{O}_3) \cdot 2.84\text{H}_2\text{O}$. (2) $\text{Fe}^{2+}(\text{SO}_3) \cdot 3\text{H}_2\text{O}$.

Occurrence: Coating fractures as an intermediate product of oxidation between iron sulfides (pyrite and arsenopyrite) and sulfates.

Association: Stolzite, pyromorphite, hinsdalite, plumbogummite, gibbsite, scheelite, jarosite.

Distribution: On the mine dumps at the Monte Falò Pb-Zn mine, near Coiromonte, Armeno Municipality, Verbano-Cusio-Ossola Province, Italy.

Name: Honors Claudio Albertini, an Italian mineral collector and expert on the systematic mineralogy of the Alps and pegmatites.

Type Material: Natural History Museum, Milan, Italy (MM 38728) and the Laboratory of Mineralogy, University of Liège, Belgium (20393).

References: (1) Vignola, P., G.D. Gatta, N. Rotiroti, P. Gentile, F. Hatert, M. Baijot, D. Bersani, A. Risplendente, and A. Pavese (2016) Albertiniite, $\text{Fe}^{2+}(\text{SO}_3) \cdot 3\text{H}_2\text{O}$, a new sulfite mineral species from the Monte Falò Pb-Zn mine, Coiromonte, Armeno Municipality, Verbano Cusio Ossola Province, Piedmont, Italy. *Mineral. Mag.*, 80(6), 985-994. (2) (2017) *Amer. Mineral.*, 102, 466 (abs. ref. 1).