

Crystal Data: Triclinic. *Point Group:* 1. As bladed crystals elongated along [100] and flattened on (001), to 1 mm; in fanlike aggregates.

Physical Properties: *Cleavage:* n.d. *Fracture:* n.d. *Tenacity:* n.d. *Hardness* = n.d. *D(meas.)* = n.d. *D(calc.)* = 3.26

Optical Properties: Translucent. *Color:* Cinnabar-red. *Streak:* n.d. *Luster:* Vitreous. *Optical Class:* Biaxial. $n \approx 1.74$ *Pleochroism:* Yellow along [100], orange-red \perp [100].

Cell Data: *Space Group:* $P1$. $a = 5.5828(7)$ $b = 9.7660(7)$ $c = 5.5455(13)$ $\alpha = 94.467(2)^\circ$ $\beta = 111.348(3)^\circ$ $\gamma = 93.850(2)^\circ$ $Z = 1$

X-ray Powder Pattern: Monte Nero Mine, Rocchetta Vara, La Spezia, Liguria, Italy. 9.710 (100), 5.136 (80), 5.166 (77), 3.342 (65), 3.324 (34), 2.631 (23), 2.873 (22)

Chemistry:	(1)	(2)
Mn ₂ O ₃	28.61	28.77
MnO	12.84	12.93
As ₂ O ₅	42.12	41.89
H ₂ O	[16.42]	16.41
Total	99.99	100.00

(1) Monte Nero Mine, Rocchetta Vara, La Spezia, Liguria, Italy; average of 3 electron microprobe analyses, H₂O from stoichiometry, Mn²⁺/Mn³⁺ calculated for charge balance; corresponds to Mn²⁺_{0.99}Mn³⁺_{1.99}As⁵⁺_{2.01}O₈(OH)₂(H₂O)₄. (2) Mn²⁺Mn³⁺₂(AsO₄)₂(OH)₂·4H₂O.

Occurrence: A secondary mineral in strataform manganese deposits.

Association: Calcite, inesite, quartz, brandtite, sarkinite, tilasite.

Distribution: From the Monte Nero Mine, Rocchetta Vara, La Spezia, Liguria, Italy; from Falotta and Alpe Tanatz, Switzerland.

Name: Honors Giorgio Corallo (b. 1937), a mineral collector, who found several new minerals (cassagnaite, gravegliaite, and reppiaite) in this region and is a “teacher” and “tutor” of several Ligurian mineral collectors.

Type Material: Mineral Museum, Department of Earth Sciences, University of Pavia, Italy (2010-001).

References: (1) Callegari, A.M., M. Boiocchi, M.E. Ciriotti, and C. Balestra (2012) Coralloite, Mn²⁺Mn³⁺₂(AsO₄)₂(OH)₂·4H₂O, a new mixed valence Mn hydrate arsenate: Crystal structure and relationships with bermanite and whitmoreite mineral groups. *Amer. Mineral.*, 97, 727-734.