Crystal Data: Triclinic. *Point Group*: $\bar{1}$. Crystals, to 10 μm, are elongated along [001] and flattened on (100). Also as fibers with rectangular cross-section apparently bound by {100} and {010}. Typically in random sprays or aggregates.

Physical Properties: *Cleavage*: Distinct on {010} and {100}. *Fracture*: Uneven. *Tenacity*: Brittle. Hardness = n.d. (easily crushed between two glass slides.) D(meas.) = n.d. D(calc.) = 2.934

Optical Properties: Transparent. *Color*: Pale to greenish yellow. *Streak*: Pale to greenish yellow. *Luster*: Vitreous.
Optical Class: Biaxial (+). α = 1.747(3) β = n.d. γ = 1.754(3) 2V(meas.) = n.d. 2V(calc.) = n.d.

Cell Data: *Space Group*: $P\bar{1}$. a = 5.383(2) b = 10.363(3) c = 6.878(2) α = 96.42(4)° β = 109.19(3)° γ = 102.30(2)° Z = 1

X-ray Powder Pattern: Eduardo pegmatite mine, Conselheiro Pena, Minas Gerais, Brazil.
6.35 (100), 9.85 (95), 2.960 (39), 2.884 (35), 3.158 (32), 3.671 (29), 2.680 (29)

Chemistry:	(1)	(2)
FeO	[11.50]	11.52
Fe_2O_3	[25.56]	25.61
P_2O_5	3.54	
As_2O_5	33.51	36.86
H_2O	[26.01]	26.01
Total	100.12	100.00

(1) Eduardo pegmatite mine, Minas Gerais, Brazil; average of 4 electron microprobe analyses supplemented by IR spectroscopy, FeO:Fe_2O_3 calculated by analogy to laueite group minerals, H_2O calculated from stoichiometry; corresponds to $Fe^{2+}_{0.98}Fe^{3+}_{1.96}[(AsO_4)_{1.79}(PO_4)_{0.31}](OH)_{1.52} \cdot 8.08H_2O$.
(2) $Fe^{2+}Fe^{3+}_2(AsO_4)_2(OH)_2 \cdot 8H_2O$.

Mineral Group: Laueite group.

Occurrence: Filling a miarolitic cavity in a zoned granitic pegmatite, likely replacing arsenopyrite.

Association: Pharmacosiderite, scorodite, arsenopyrite.

Distribution: From the Eduardo pegmatite mine, near Boa Vista creek, Conselheiro Pena municipality, Minas Gerais, Brazil.

Name: Honors César Mendonça Ferreira (b. 1942), Professor of Mineralogy and Gemology and founder of the Gemological Laboratory of the Federal University of Ouro Preto, Brazil.

Type Material: Museum of Science and Technology, School of Mines, Federal University of Ouro Preto, Minas Gerais, Brazil (SAA-011).

References: (1) Scholz, R., N.V. Chukanov, L.A.D. Menezes Filho, D. Atencio, L. Lagoeiro, F.M. Belotti, M.L.S.C. Chaves, A.W. Romano, P.R. Brandão, D.I. Belakovskiy, and I. Pekov (2014) Césarferreiraite, $Fe^{2+}Fe^{3+}_2(AsO_4)_2(OH)_2 \cdot 8H_2O$, from Eduardo mine, Conselheiro Pena, Minas Gerais, Brazil: Second arsenate in the laueite mineral group. Amer. Mineral., 99, 607-611.