Crystal Data: Hexagonal. *Point Group*: $\bar{3}$. As elongated scalenohedral crystals to 100 μm, typically zoned with V-rich senaite.

Physical Properties: *Cleavage*: None. *Fracture*: Conchoidal. *Tenacity*: Brittle. Hardness = 6-6.5 VHN = 834-865, 847 average (500 g load). D(meas.) = n.d. D(calc.) = 4.315

Optical Properties: Opaque. *Color*: Dark gray to black; grayish in reflected light.
Streak: Black. *Luster*: Submetallic.
Optical Class: Biaxial (-). [by analogy to senaite]
R_1-R_2: (471.1) 18.4-18.2, (548.3) 17.9-17.7, (586.6) 17.6-17.3, (652.3) 17.0-16.8

Cell Data: *Space Group*: $R\bar{3}$. a = 10.3894(5) c = 20.8709(8) Z = 3

X-ray Powder Pattern: Molinello mine, Val Graveglia, Liguria, Italy.
3.417 (100), 2.260 (85), 2.149 (65), 2.896 (61), 1.809 (57), 2.858 (36), 2.765 (27)

Chemistry:

	(1)		(1)
Na_2O	0.35	La_2O_3	0.02
MgO	0.05	Ce_2O_3	0.03
MnO	7.70	TiO_2	32.78
ZnO	1.15	ThO_2	0.05
SrO	2.36	UO_3	0.36
PbO	8.01	V_2O_5	41.27
FeO	2.80	Total	98.64
Fe_2O_3	1.71		

(1) Molinello mine, Val Graveglia, Liguria, Italy; average of 11 electron microprobe analyses, Fe^{2+}/Fe^{3+} calculated from structure analysis; corresponding to $(Pb_{0.61}Sr_{0.39})_{\Sigma=1.00}(V^{5+}_{7.78}Ti^{4+}_{7.03}Mn^{2+}_{1.86}Fe^{2+}_{0.67}Fe^{3+}_{0.37}Zn_{0.24}Na_{0.19}U_{0.02}Mg_{0.02}\square_{2.82})_{\Sigma=21.00}O_{38}$.

Mineral Group: Crichtonite group.

Polymorphism & Series: Forms a solid solution series with senaite.

Occurrence: In micro-cavities and fractures in a piece of fossilized wood, presumably precipitated from oxidized ground water.

Association: Quartz, chalcocite, volborthite; more rarely metatyuyamunite, pyrophanite.

Distribution: From the upper part of the Molinello mine, Val Graveglia, Ne, Genoa Province, Liguria, Italy.

Name: Honors Marco Pasero (b. 1958), Professor of Mineralogy, University of Pisa, Italy, for his contributions to mineralogy and crystallography in general, and especially Italian mineralogy.

Type Material: In Italy, at the Museum of Natural History, University of Florence (# 3111/I), and in the mineralogical collections of the Natural History Museum, University of Turin (# 15900).

References: (1) Mills, S.J., L. Bindi, M. Cadoni, A.R. Kampf, M.E. Ciriotti, and G. Ferraris (2012) Paseroite, $PbMn^{2+}(Mn^{2+},Fe^{2+})_2(V^{5+},Ti,Fe^{3+},\square)_{18}O_{38}$, a new member of the crichtonite group. European Journal of Mineralogy, 24(6), 1061-1067. (2) (2014) Amer. Mineral., 99, 2156 (abs. ref. 1).