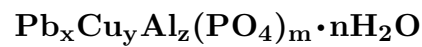


Rosièresite

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Crystal Data: Amorphous (?). *Point Group:* n.d. Stalactitic, to 4 cm, concentric, massive.

Physical Properties: Hardness = n.d. $D(\text{meas.}) = 2.2$ $D(\text{calc.}) = \text{n.d.}$

Optical Properties: Semitransparent. *Color:* Greenish yellow, yellow, light brown.

Luster: Opaline.

Optical Class: Isotropic. $n = \sim 1.50$

Cell Data: *Space Group:* n.d. $Z = \text{n.d.}$

X-ray Powder Pattern: n.d.

Chemistry:

	(1)
P ₂ O ₅	25.5
As ₂ O ₅	trace
Al ₂ O ₃	23.0
CuO	3.0
PbO	10.0
H ₂ O	38.0
Total	99.5

(1) Rosières mine, France.

Occurrence: As post-mining incrustations.

Association: Tetrahedrite, cuprite, chrysocolla, malachite, azurite.

Distribution: From the Rosières copper mine, about one km east of Carmaux, Tarn, France.

Name: For the mineral's first occurrence at the Rosières mine, France.

References: (1) Palache, C., H. Berman, and C. Frondel (1951) Dana's system of mineralogy, (7th edition), v. II, 924. (2) Lacroix, A. (1910) *Minéralogie de la France*, IV, 532–533 (in French).