

Crystal Data: Orthorhombic. *Point Group:* $2/m\ 2/m\ 2/m$. As crusts and spheroids of fibers to $50\ \mu\text{m}$ elongated along [001] and flattened on (100).

Physical Properties: *Cleavage:* n.d. *Tenacity:* n.d. *Fracture:* n.d. Hardness = n.d.
D(meas.) = n.d. D(calc.) = 2.27

Optical Properties: Translucent. *Color:* White. *Streak:* n.d. *Luster:* n.d.
Optical Class: Biaxial. $\alpha = 1.550(5)$ $\beta = \text{n.d.}$ $\gamma = 1.570(5)$ *Orientation:* $Z = c$ (fiber axis).
Parallel extinction; length slow.

Cell Data: *Space Group:* $Pnma$. $a = 19.855(4)$ $b = 17.693(1)$ $c = 7.7799(5)$ $Z = 4$

X-Ray Diffraction Pattern: Salle B, South mine, Cap Garonne, Var, France.
9.973 (100), 3.506 (74), 3.326 (66), 8.851 (60), 6.696 (56), 6.617 (50), 6.126 (38)

Chemistry:	(1)	(2)
Al_2O_3	29.7	32.28
As_2O_5	33.7	36.38
SiO_2	0.5	
H_2O	[31.3]	31.34
Total	95.2	100.00

(1) Salle B, South mine, Cap Garonne, Var, France; average electron microprobe analysis, H_2O calculated from structure; corresponds to $\text{Al}_{5.72}\text{Si}_{0.08}\text{As}_{2.88}\text{O}_{33}\text{H}_{34.12}$.

(2) $\text{Al}_6(\text{AsO}_4)_3(\text{OH})_9(\text{H}_2\text{O})_4 \cdot 8\text{H}_2\text{O}$.

Occurrence: A secondary mineral derived from components from mansfieldite or bariopharmacoalumite.

Association: Bulachite, bariopharmacoalumite- $Q2a2b2c$, olivenite, pyrite, strongly etched mansfieldite.

Distribution: From Salle B, South mine, Cap Garonne, Var, France.

Name: Honors Valérie *Galea-Clolus* (b. 1964) for her contributions to Cap Garonne mineralogy.

Type Material: Museum Victoria, Melbourne, Victoria, Australia (M55455 holotype) and the Natural History Museum of Los Angeles County, Los Angeles, California, USA (74874 cotype).

References: (1) Grey, I.E., G. Favreau, S.J. Mills, W.G. Mumme, C. Bougerol, H.E.A. Brand, A.R. Kampf, C.M. MacRae, and F. Shanks (2021) Galeaclolusite, $[\text{Al}_6(\text{AsO}_4)_3(\text{OH})_9(\text{H}_2\text{O})_4] \cdot 8\text{H}_2\text{O}$, a new bulachite-related mineral from Cap Garonne, France. *Mineral. Mag.*, 85, 142-148.