

Crystal Data: Orthorhombic. *Point Group:* 2/m 2/m 2/m. As 'hedgehog'-like spherical aggregates to 100 μm comprised of divergent fibrous crystals, to 50 μm.

Physical Properties: *Cleavage:* None. *Tenacity:* Brittle. *Fracture:* Splintery. Hardness = n.d. D(meas.) = n.d. D(calc.) = 2.235

Optical Properties: Opaque. *Color:* Dark golden in reflected light. *Streak:* Yellow-green. *Luster:* Resinous to greasy. *Optical Class:* n.d. Nonpleochroic.

Cell Data: *Space Group:* Pnma. *a* = 9.139(5) *b* = 10.625(7) *c* = 9.135(3) *Z* = 4

X-Ray Diffraction Pattern: Colima volcano, Mexico. 2.806 (100), 3.463 (73), 2.785 (70), 2.928 (67), 2.677 (63), 3.229 (57), 3.237 (53)

Chemistry:	(1)
S	43.29
K	39.36
V	17.41
<u>Na</u>	<u>0.43</u>
Total	100.49

(1) Colima volcano, Mexico; average electron microprobe analysis supplemented by Raman spectroscopy; corresponding to (K_{2.95}Na_{0.06})_{Σ=3.01}V_{1.03}S_{3.97}.

Occurrence: A sublimate found in an active volcanic fumarole.

Association: Cristobalite, arcanite, thenardite, barite, native gold, shcherbinaite, vanadium.

Distribution: From the Colima volcano crater, Mexico.

Name: For the discovery locality, the *Colima* volcano.

Type Material: Sociedad Mexicana de Mineralogía (Facultad de Ingeniería, Universidad Nacional Autónoma de México) (FIM 08/01).

References: (1) Ostrooumov, M., Y. Taran, M. Arellano-Jiménez, A. Ponce, and J. Reyes-Gasga (2009) Colimaite, K₃VS₄ - a new potassium-vanadium sulfide mineral from the Colima volcano, State of Colima (Mexico). *Revista Mexicana de Ciencias Geológicas*, 26, 600-608.