

**Crystal Data:** Monoclinic. *Point Group:* 2/m. As clusters < 0.5 mm of stacked, short prismatic and rounded crystals or crusts.

**Physical Properties:** *Cleavage:* None. *Tenacity:* Brittle. *Fracture:* Conchoidal. *Hardness* = ~3. *D(meas.)* = 3.10(5) *D(calc.)* = 3.088. Nonfluorescent.

**Optical Properties:** Transparent to translucent. *Color:* Colorless, white. *Streak:* White.

*Luster:* Vitreous.

*Optical Class:* Biaxial.  $\alpha = 1.552(2)$   $\beta = 1.561(2)$   $\gamma = 1.570(2)$   $2V(\text{meas.}) = 90(5)^\circ$   $2V(\text{calc.}) = 90^\circ$

**Cell Data:** *Space Group:* C2/c.  $a = 14.813(3)$   $b = 11.902(2)$   $c = 9.466(2)$   $\beta = 97.38(1)^\circ$   $Z = 4$

**X-Ray Diffraction Pattern:** Esperanza Mine, Kaminiza area, Lavrion Mining District, Greece. 6.860 (100), 5.965 (84), 3.109 (83), 3.608(82), 3.727 (78), 6.317 (72), 4.512 (58)

Chemistry:	(1)	(2)
CdO	44.45	50.06
SO <sub>3</sub>	31.98	31.21
CuO	3.02	
FeO	1.19	
MgO	0.16	
H <sub>2</sub> O	[19.26]	18.73
Total	100.06	100.00

(1) Esperanza Mine, Kaminiza area, Lavrion Mining District, Greece; average electron microprobe analysis, H<sub>2</sub>O calculated; corresponds to  $3[(\text{Cd}_{0.86}\text{Cu}_{0.09}\text{Fe}_{0.04}\text{Mg}_{0.01})_{\Sigma=1.00}\text{S}_{1.00}\text{O}_4] \cdot 8\text{H}_2\text{O}$ .

(2) Cd<sub>3</sub>(SO<sub>4</sub>)<sub>3</sub>·8H<sub>2</sub>O.

**Occurrence:** A secondary mineral from the weathering of primary hawleyite and greenockite.

**Association:** Voudourisite, sphalerite, galena, edwardsite, chalcantite, gypsum, greenockite.

**Distribution:** At the Esperanza Mine, Kaminiza area, #19 Mine, Ano Sounio area, and at the North Mine, Villia area, Lavrion Mining District, Greece.

**Name:** Honors Stathis *Lazaridis* (1953-2010), a mineral collector from Lavrion, who contributed significantly to the current understanding of the paragenetic sequences within the Lavrion deposits.

**Type Material:** Institute for Mineralogy and Crystallography, University of Vienna, Austria, (HS13.077).

**References:** (1) Rieck, B., C.L. Lengauer, and G. Giester (2019) Voudourisite, Cd(SO<sub>4</sub>)·H<sub>2</sub>O, and lazarisite, Cd<sub>3</sub>(SO<sub>4</sub>)<sub>3</sub>·8H<sub>2</sub>O, two new minerals from the Lavrion Mining District, Greece. *Mineral. Mag.*, 83, 551-559.