

**Crystal Data:** Monoclinic. *Point Group:* 2/m. Crystals tabular and prismatic || [010], to 1 mm.

**Physical Properties:** *Tenacity:* Somewhat sectile. Hardness = n.d. VHN = 272 (20 g load). D(meas.) = 4.8 D(calc.) = 4.99

**Optical Properties:** Translucent. *Color:* Carmine-red; gray-white in polished section with remarkable reddish orange internal reflections. *Streak:* Orange. *Luster:* Resinous. *Optical Class:* Biaxial (-) (synthetic). *Pleochroism:* Discernible in reflected light, from brownish to purplish tint; in transmitted light, reddish yellow || Y; brownish red || Z'. 2V(meas.) = ~90° R<sub>1</sub>-R<sub>2</sub>: (486) 20.1-25.8, (546) 19.7-24.7, (589) 19.1-23.5, (656) 14.0-20.0

**Cell Data:** *Space Group:* C2/c. *a* = 25.37(2) *b* = 5.654(1) *c* = 16.87(1) *β* = 117.58(4)° *Z* = 4

**X-ray Powder Pattern:** Sarabau mine, Malaysia. 3.215 (100), 2.817 (88), 3.466 (78), 3.182 (60), 3.164 (50), 4.227 (42), 2.583 (40)

Chemistry:	(1)	(2)
Ca	2.43	2.49
Sb	74.89	75.62
S	11.91	11.95
O	9.61	9.94
Total	98.84	100.00

- (1) Sarabau mine, Malaysia; by electron microprobe, corresponds to Ca<sub>0.99</sub>Sb<sub>10.00</sub>O<sub>9.76</sub>S<sub>6.04</sub>.  
 (2) CaSb<sub>10</sub>O<sub>10</sub>S<sub>6</sub>.

**Occurrence:** In hydrothermal mineral deposits, deposited at high temperature.

**Association:** Stibnite, sénarmontite, wollastonite, calcite, quartz (Sarabau mine, Malaysia).

**Distribution:** From the Sarabau mine [TL] and the Lucky Hill mine, Bau district, about 40 km southwest of Kuching, Sarawak, Malaysia.

**Name:** For its occurrence in the Sarabau mine, Malaysia.

**Type Material:** National Science Museum, Tokyo, Japan, MA7055; The Natural History Museum, London, England; National Museum of Natural History, Washington, D.C., USA, 146210.

**References:** (1) Nakai, I., H. Adachi, S. Matsubara, A. Kato, K. Masutomi, T. Fujiwara, and K. Nagashima (1978) Sarabauite, a new oxide sulfide mineral from the Sarabau mine, Sarawak, Malaysia. *Amer. Mineral.*, 63, 715-719. (2) Nakai, I., K. Nagashima, K. Koto, and N. Morimoto (1978) Crystal chemistry of oxide-chalcogenide. I. The crystal structure of sarabauite CaSb<sub>10</sub>O<sub>10</sub>S<sub>6</sub>. *Acta Cryst.*, 34, 3569-3572.