

**Crystal Data:** Monoclinic. *Point Group:* 2/*m*. Minute crystals, to 0.3 mm.

**Physical Properties:** Hardness = n.d. VHN = 19.5 (100 g load). D(meas.) = n.d.  
D(calc.) = 5.62

**Optical Properties:** Opaque. *Color:* White in reflected light. *Anisotropism:* Moderate.  
R<sub>1</sub>–R<sub>2</sub>: (400) 29.7, (420) 25.6, (440) 24.9, (460) 24.2, (480) 23.7, (500) 23.5, (520) 23.1, (540) 22.2, (560) 22.2, (580) 21.9, (600) 21.5, (620) 21.2, (640) 20.9, (660) 20.6, (680) 20.4, (700) 20.4 (averages)

**Cell Data:** *Space Group:* P2/*a*. *a* = 6.833 *b* = 12.932 *c* = 9.638 β = 99°33′ *Z* = [8]

**X-ray Powder Pattern:** Sainte-Marie-aux-Mines, France.  
3.075 (10), 3.019 (8), 2.843 (5), 3.251 (3), 2.659 (3), 3.170 (2), 2.742 (2)

| Chemistry: | (1)   | (2)    |
|------------|-------|--------|
| Ag         | 61.39 | 60.81  |
| As         | 19.03 | 21.11  |
| S          | 18.06 | 18.08  |
| Total      | 98.48 | 100.00 |

(1) Sainte-Marie-aux-Mines, France; by electron microprobe; Pb, Sb and Bi not detected; corresponds to Ag<sub>2.02</sub>As<sub>0.91</sub>S<sub>2.00</sub>. (2) Ag<sub>2</sub>AsS<sub>2</sub>.

**Occurrence:** In a Co–Ni–Fe–As deposit.

**Association:** Arsenic, rammelsbergite, safflorite, proustite, calcite, quartz.

**Distribution:** Found on a museum specimen from the Gabe-Gottes mine, Rauenthal, near Sainte-Marie-aux-Mines, Haut-Rhin, France [TL].

**Name:** For Dr. Henri Derville, French paleontologist, Strasbourg University, Strasbourg, France, who noted the original specimen.

**Type Material:** Museum of Natural History, 1531; National School of Mines, Paris, France.

**References:** (1) Bari, H. (1982) Dervillite Ag<sub>2</sub>AsS<sub>2</sub>, monoclinic, new definition of the species described by Weil, 1941. *Pierres et Terre*, 23–24, 62–67 (in French). (2) (1983) *Amer. Mineral.*, 68, 1041 (abs. ref. 1). (3) Bari, H., F. Cesbron, Y. Moëlo, F. Permingeat, P. Picot, R. Perriot, H.-J. Schubnel, and R. Weil (1983) La dervillite, Ag<sub>2</sub>AsS<sub>2</sub>, nouvelle définition de l'espèce. *Bull. Minéral.*, 106, 519–524 (in French with English abs.).