

Crystal Data: Monoclinic. *Point Group:* $2/m$. As striated [100] acicular crystals to 4 mm.
Twinning: Polysynthetic twins parallel elongation.

Physical Properties: *Cleavage:* Poor perpendicular to elongation. *Fracture:* Conchoidal.
Tenacity: Brittle.
Hardness = 3-4 VHN = 196 (25 g load). D(meas.) = n.d. D(calc.) = 5.747

Optical Properties: Opaque. *Color:* Black, white in reflected light. *Streak:* Black.
Luster: Metallic. *Pleochroism:* Weak, grayish white to white. *Anisotropism:* Distinct, gray to dark gray (with brownish and greenish tint).
Optical Class: n.d.
 R_1 - R_2 : (470) 35.1-40.8 (19.4-22.2)_{oil}, (586) 33.5-39.3 (19.3-21.7)_{oil}, (586) 32.7-38.2 (18.7-21.1)_{oil}, (650) 31.4-36.5 (17.3-19.5)_{oil}

Cell Data: *Space Group:* $P2_1/c$. (pseudo-orthorhombic) $a = 8.3965(5)$ $b = 27.9540(4)$
 $c = 43.8840(13)$ $\beta = 90.061(12)^\circ$ $Z = 4$

X-ray Powder Pattern: Pollone deposit, near Pietrasanta, Apuan Alps, Tuscany, Italy.
3.62 (100), 3.35 (95), 2.945 (85), 2.885 (80), 3.23 (65), 3.42 (45), 3.01 (45)

Chemistry:	(1)
Cu	0.09
Ag	4.36
Hg	0.15
Pb	47.00
Sb	19.57
As	7.73
S	20.56
Total	99.46

(1) Pollone deposit, near Pietrasanta, Apuan Alps, Tuscany, Italy; average of 32 electron microprobe analyses, corresponding to $\text{Cu}_{0.13}\text{Ag}_{3.65}\text{Hg}_{0.07}\text{Pb}_{20.41}(\text{Sb}_{14.49}\text{As}_{9.25})_{\Sigma=23.74}\text{S}_{57.72}$.

Occurrence: In vugs within hydrothermal barite-quartz veins embedded in barite-pyrite lenses in complexly sheared and metamorphosed sedimentary rocks.

Association: Acanthite, famatinite, geocronite-jordanite, pyrargyrite-prustite, Sb-rich rathite, sphalerite (overgrowth on sterryite), tetrahedrite, xanthoconite.

Distribution: Pollone deposit, Valdicastello Carducci, near Pietrasanta, Apuan Alps, Tuscany, Italy.

Name: For the similarity to *sterryite* with the Greek prefix *para* meaning “near”.

Type Material: Natural History Museum, University of Pisa, Italy (19347), and at the Mineralogy Museum, School of Mines, Paris, France (82522).

References: (1) Moëlo, Y., P. Orlandi, C. Guillot-Deudon, C. Biagioni, W. Paar, and M. Evain (2011) Lead-antimony sulfosalts from Tuscany (Italy). XI. The new mineral species parasterryite, $\text{Ag}_4\text{Pb}_{20}(\text{Sb}_{14.5}\text{As}_{9.5})_{\Sigma=24}\text{S}_{58}$, and associated sterryite, $\text{Cu}(\text{Ag,Cu})_3\text{Pb}_{19}(\text{Sb,As})_{22}(\text{As-As})\text{S}_{56}$, from the Pollone mine, Tuscany, Italy. *Canadian Mineralogist*, 49, 623-638. (2) Moëlo, Y., C. Guillot-Deudon, M. Evain, P. Orlandi, and C. Biagioni (2012) Comparative modular analysis of two complex sulfosalts structures: sterryite, $\text{Cu}(\text{Ag,Cu})_3\text{Pb}_{19}(\text{Sb,As})_{22}(\text{As-As})\text{S}_{56}$, and parasterryite, $\text{Ag}_4\text{Pb}_{20}(\text{Sb,As})_{24}\text{S}_{58}$. *Acta Crystallographica Section B*, 68, 480-492. (3) (2014) *Amer. Mineral.*, 99, 872-873 (abs. refs. 1 and 2).