Parajamesonite $Pb_4FeSb_6S_{14}$

Crystal Data: Orthorhombic or lower. *Point Group:* n.d. Crystals columnar with imperfect, rounded faces and without good terminations, to 8 mm.

Physical Properties: Hardness = n.d. VHN = n.d. D(meas.) = 5.482 D(calc.) = n.d.

Optical Properties: Opaque. *Color:* Gray. *Luster:* Metallic.
R_1–R_2: n.d.

Cell Data: *Space Group:* n.d. Z = n.d.

X-ray Powder Pattern: Herja, Romania.
4.21 (80-90), 3.78 (50), 4.67 (30), 2.49 (20), 2.23 (20), 2.02 (20), 3.29 (10)

Chemistry:

	(1)	(2)
Pb	39.81	40.15
Fe	2.98	2.71
Sb	34.74	35.39
S	21.96	21.75
insol.	0.13	
Total	99.62	100.00

(1) Herja, Romania; corresponds to $Pb_{3.93}Fe_{1.09}Sb_{5.91}S_{14.00}$. (2) $Pb_4FeSb_6S_{14}$.

Polymorphism & Series: Dimorphous with jamesonite.

Occurrence: In a hydrothermal deposit, later formed than other associated sulfides.

Association: Galena, pyrrhotite, chalcopyrite, tetrahedrite.

Distribution: From Herja (Kisbánya), Baia Mare (Nagybánya) district, Romania [TL].

Name: For the paramorphous relation to jamesonite.

Type Material: n.d.

References: (1) Zsivny, V. and I. v. Náray-Szabó (1947) Parajamesonit, ein neues Mineral von Kisbánya. Schweiz. Mineral. Petrog. Mitt., 27, 183–189 (in German). (2) (1949) Amer. Mineral., 34, 133 (abs. ref. 1).