

**Crystal Data:** Triclinic. *Point Group:*  $\bar{1}$ . Crystals, lamellar, to 1 mm, striated slightly parallel to elongation. *Twinning:* Lamellar on {100}.

**Physical Properties:** *Cleavage:* Perfect on {100}. *Fracture:* n.d. *Tenacity:* n.d..  
Hardness = n.d. D(meas.) = n.d. D(calc.) = n.d.

**Optical Properties:** Opaque. *Color:* Silver gray; white with yellowish gray tones in reflected light. *Streak:* Black. *Luster:* Metallic.  
*Optical Class:* n.d. *Birefractance:* Weak. *Anisotropism:* Distinct.  
R<sub>1</sub>-R<sub>2</sub>: (400) 14.0–32.9, (470) 13.9–29.0, (550) 15.7–29.9, (590) 16.4–30.2, (650) 17.9–30.8, (700) 18.9–31.2

**Cell Data:** *Space Group:*  $P\bar{1}$ .  $a = 23.4(3)$   $b = 5.77(2)$   $c = 5.83(1)$   $\alpha = 89.1(5)^\circ$   $\beta = 89.9(7)^\circ$   $\gamma = 91.5(7)^\circ$

**X-ray Powder Pattern:** Kupol fumarole field, Kudryavy volcano, Kurile Islands, Russia.  
3.90 (100), 3.84 (71), 5.90 (36), 2.921 (33), 3.166 (26), 2.040 (20), 2.186 (18)

<b>Chemistry:</b>	(1)
S	20.66
Se	0.98
Cu	0.01
Cd	0.03
In	11.40
Sn	12.11
Pb	37.11
Bi	17.30
Total	99.60

(1) Kupol fumarole field, Kudryavy volcano, Iturup Island, Kurile Islands, Russia; average of 4 electron microprobe analyses, corresponding to Pb<sub>1.92</sub>Sn<sub>1.09</sub>In<sub>1.06</sub>Bi<sub>0.89</sub>(S<sub>6.90</sub>Se<sub>0.13</sub>)<sub>Σ=7.03</sub>.

**Occurrence:** A product of precipitation from fumarolic gases (600° C) in an active stratovolcano.

**Association:** Pyrrhotite, pyrite, wurzite, galena, halite, sylvite, anhydrite.

**Distribution:** Kupol fumarole field, Kudryavy volcano, Iturup Island, southern Kurile Islands, Russia.

**Name:** Honors Russian mineralogist Dmitry Vadimovich Abramov (1963–) of the A.E. Fersman Museum, Russia.

**Type Material:** A.E. Fersman Mineralogical Museum, Russian Academy of Sciences, Moscow (catalog no. 3436/1).

**References:** (1) Yudovskaya, M.A., N.V. Trubkin, E.V. Koporulina, D.I. Belakovsky, A.V. Mokhov, M.V. Kuznetsova, and T.I. Golovanova (2007) Abramovite, Pb<sub>2</sub>SnInBiS<sub>7</sub>, a new mineral species from fumaroles of the Kudryavy Volcano, Kurile Islands, Russia. *Zap. Ross. Mineral. Obshch.*, 136(5), 37–43 (in Russian, English abstract); (2008) *Geol. Ore Dep.*, 50, 551–555 (in English). (2) (2009) *Amer. Mineral.*, 94, 1075 (abs. ref. 1).