

Crystal Data: Hexagonal. *Point Group:* $\bar{3} 2/m$. In euhedral to subhedral lathlike crystals, to 80 μm .

Physical Properties: *Cleavage:* Perfect on {0001}. Hardness = n.d. VHN = 74–122, 99 average (25 g load). D(meas.) = n.d. D(calc.) = 7.85

Optical Properties: Opaque. *Color:* In polished section, creamy white. *Luster:* Metallic. *Pleochroism:* Maximum parallel to elongation, creamy. *Anisotropism:* Strong, in pale grayish blue.

R₁–R₂: (400) —, (420) 46.0–50.3, (440) 46.6–51.4, (460) 47.2–52.2, (480) 47.6–52.7, (500) 48.0–53.0, (520) 48.3–53.2, (540) 48.5–53.3, (560) 48.6–53.3, (580) 48.8–53.3, (600) 48.8–53.3, (620) 48.9–53.2, (640) 49.0–53.2, (660) 49.0–53.1, (680) 49.1–53.1, (700) 49.1–53.0

Cell Data: *Space Group:* $R\bar{3}m$. $a = 4.252$ $c = 40.095$ $Z = 3$

X-ray Powder Pattern: Oldřichov, Czech Republic.

3.093 (100), 2.127 (80), 2.251 (70b), 1.752 (60), 1.352 (60), 4.048 (50), 2.727 (50)

Chemistry:

	(1)	(2)
Pb	22.95	18.74
Bi	40.29	42.58
Cu	0.61	0.00
Se	15.48	13.90
Te	17.47	23.15
S	2.10	1.08
Total	98.90	99.45

(1) Oldřichov, Czech Republic; by electron microprobe, corresponding to Pb_{1.09}Cu_{0.09}Bi_{1.90}Se_{1.93}(Te_{1.35}S_{0.64})_{Σ=1.99}. (2) Otish Mountains deposit, Canada; by electron microprobe, average of six analyses; corresponding to Pb_{0.92}Bi_{2.08}Se_{1.80}(Te_{1.85}S_{0.34})_{Σ=2.19}.

Occurrence: In hydrothermal dolomite-calcite-quartz veins in the western contact of the Bor granite massif with gneisses and amphibolites, associated with a selenide-sulfide-telluride aggregate and uraninite (Oldřichov, Czech Republic); in a vein-type uranium deposit with other tellurides and selenides (Otish Mountains deposit, Canada).

Association: Selenian rucklidgeite, several incompletely characterized new species (Oldřichov, Czech Republic); součekite, wittichenite (Otish Mountains deposit, Canada).

Distribution: From Oldřichov, near Tachov, Czech Republic [TL]. In the Otish Mountains uranium deposit, Elliot Lake district, Quebec, Canada.

Name: For Professor Zdenek Pouba (1902–1971), economic geologist, Charles University, Prague, Czech Republic.

Type Material: Charles University, Prague, Czech Republic, 21241; National School of Mines, Paris, France.

References: (1) Čech, F. and I. Vavřín (1978) Poubaite, PbBi₂(Se, Te, S)₄, a new mineral. Neues Jahrb. Mineral., Monatsh., 9–19. (2) (1978) Amer. Mineral., 63, 1283 (abs. ref. 1). (3) Johan, Z., P. Picot, and F. Ruhlmann (1987) The ore mineralogy of the Otish Mountains uranium deposit, Quebec: skippenite, Bi₂Se₂Te, and watkinsonite, Cu₂PbBi₄(Se, S)₈, two new mineral species. Can. Mineral., 25, 625–638.