

Crystal Data: Tetragonal. *Point Group:* 4/m 2/m 2/m. As anhedral grains to 10 μm in the interstices of rock-forming silicates (plagioclase, amphibole, clinozoisite and quartz), as inclusions in base-metal sulfides, and as complex intergrowths with other platinum group minerals.

Physical Properties: *Cleavage:* n.d. *Tenacity:* Brittle. *Fracture:* n.d. Hardness = n.d. D(meas.) = n.d. D(calc.) = 9.81

Optical Properties: Opaque. *Color:* Creamy white in reflected light. *Streak:* Gray. *Luster:* Metallic.

Optical Class: *Anisotropy:* Distinct, brown to gray. Weak bireflectance and pleochroism. R₁-R₂: (470) 43.8-44.1, (546) 44.4-44.7, (589) 45.6-45.8, (650) 47.2-47.2

Cell Data: *Space Group:* I4/mmm. *a* = 7.98 *c* = 9.14 *Z* = 2

X-Ray Diffraction Pattern: Synthetic Pd_{9.07}Ag_{2.22}Pb_{1.78}S_{3.93}. 2.404 (100), 2.320 (72), 1.998 (67), 2.826 (50), 2.288 (44), 1.505 (28), 1.218 (25)

Chemistry:	(1)
Pd	55.61
Ag	12.36
Pb	23.50
Fe	0.21
Ni	0.24
S	7.17
Total	99.09

(1) Pansky massif, Fedorova-Pana intrusion, Kola Peninsula, Russia; average electron microprobe analysis; corresponds to (Pd_{9.05}Fe_{0.07}Ni_{0.07})Σ=9.19Ag_{1.98}Pb_{1.96}S_{3.8}.

Mineral Group: Pb-analogue of thalhammerite.

Occurrence: In anorthosites with irregular disseminations of sulfide and platinum-group minerals in a layered intrusion.

Association: Millerite, chalcopyrite, bornite, chalcocite (included in); zvyagintsevite, laflammeite, vysotskite, thalhammerite (intergrown with).

Distribution: From the Pansky massif, southern Fedorova-Pana layered intrusion, Kola Peninsula, Russia [TL]. Also, in low-sulfide PGE ores, Northern PGE reef in the Lower Layered Horizon zone, Kievev and Northern Kamennik deposits.

Name: For the discovery locality, the *Pansky* massif.

Type Material: Department of Earth Sciences, Natural History Museum, London, England (BM2020,2).

References: (1) Vymazalová, A., V.V. Subbotin, F. Laufek, Y.E. Savchenko, C.J. Stanley, D.A. Gabov, and J. Plášil (2021) Panskyite, Pd₉Ag₂Pb₂S₄, a new platinum group mineral from the Southern Kievev ore occurrence of the Fedorova-Pana layered intrusion, Kola Peninsula, Russia. *Mineral. Mag.*, 85, 161-171.