

**Crystal Data:** Cubic. *Point Group:* n.d. Massive with other sulfides.

**Physical Properties:** Hardness = n.d. VHN = 119–124 (50 g load). D(meas.) = n.d.  
D(calc.) = n.d.

**Optical Properties:** Opaque. *Color:* Brownish gray; in reflected light, white with cream-red tint. *Streak:* Dark gray. *Anisotropism:* Distinct.

R<sub>1</sub>–R<sub>2</sub>: (470) 43.5–44.5, (535) 43.0–44.0, (591) 44.0–45.0, (658) 45.5–46.5

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

**X-ray Powder Pattern:** n.d.

<b>Chemistry:</b>	(1)	(2)
Fe	29.3	25.2
Pb	14.6	23.0
Cu	3.6	2.6
Ge	4.5	4.8
As	1.8	1.1
S	34.2	34.2
Total	[88.0	90.9

(1) Lower Silesia, Poland; by electron microprobe, original total given as 92.0%; corresponds to (Fe<sub>1.97</sub>Pb<sub>0.26</sub>Cu<sub>0.21</sub>)<sub>Σ=2.44</sub>(Ge<sub>0.23</sub>As<sub>0.09</sub>)<sub>Σ=0.31</sub>S<sub>4.00</sub>. (2) Do.; by electron microprobe, corresponds to (Fe<sub>1.69</sub>Pb<sub>0.42</sub>Cu<sub>0.15</sub>)<sub>Σ=2.26</sub>(Ge<sub>0.25</sub>As<sub>0.06</sub>)<sub>Σ=0.31</sub>S<sub>4.00</sub>.

**Polymorphism & Series:** Forms a series with morozeviczite.

**Occurrence:** In epigenetic veinlets and metasomatic replacement zones replacing sandstone and older sulfides, in brecciated sandstones underlying copper-bearing shales.

**Association:** Marcasite, chalcopyrite, bornite, chalcocite, tennantite, sphalerite, galena.

**Distribution:** From the Polkovic mine, near Legnica, Zechstein copper district, Lower Silesia, Poland [TL].

**Name:** For the Polkovic mine, Poland.

**Type Material:** Jagellonian University, Kraków, Poland.

**References:** (1) Haranczyk, C. (1975) Morozeviczite and polkovicite, typochemical minerals of Mesozoic mineralization of the Fore-Sudeten monocline. *Rudy i Metalle*, 20, 288–293 (in Polish). (2) (1981) *Amer. Mineral.*, 66, 437–438 (abs. ref. 1).