

**Crystal Data:** Triclinic. *Point Group:* 1. *Twining:* Polysynthetic.

**Physical Properties:** *Cleavage:* *Tenacity:* *Fracture:* Hardness = D(meas.) = D(calc.) =

**Optical Properties:** *Color:* *Streak:* *Luster:*

*Optical Class:* Biaxial. *Pleochroism:* Distinct, uncolored to yellowish. Hourglass and sector optical zoning.

**Cell Data:** *Space Group:* C1.  $a = 10.028(1)$   $b = 8.408(1)$   $c = 13.339(2)$   $\alpha = 90.01(1)^\circ$   
 $\beta = 109.10(1)^\circ$   $\gamma = 90.00(1)^\circ$

**X-Ray Diffraction Pattern:** Szklarska Poręba Huta quarry, Lower Silesia, Poland.  
9.147 (100), 6.607 (64), 8.408 (12), 3.151 (12), 4.413 (10), 3.095 (9), 3.312 (7)

<b>Chemistry:</b>	(1)	(2)
SiO <sub>2</sub>	37.93	38.95
Al <sub>2</sub> O <sub>3</sub>	0.35	1.04
TiO <sub>2</sub>		0.07
Fe <sub>2</sub> O <sub>3</sub>	8.89	10.95
SnO <sub>2</sub>	33.10	28.24
MnO	0.05	0.04
CaO	17.63	18.19
CuO	0.12	0.08
Total	97.53	97.44

(1) El Valle-Boinás, Asturias, northern Spain; average electron microprobe analysis, FeO/Fe<sub>2</sub>O<sub>3</sub> calculated for charge balance. (2) Do.

#### Mineral Group:

**Occurrence:** In granitic pegmatite (Poland); in calcic Cu-Au skarn (Spain).

**Association:** Andradite (Adr<sub>96-100</sub>), clinopyroxene (Hd<sub>30-47</sub>), actinolite, apophyllite-(KOH), babingtonite, hydroandradite, quartz, calcite, chalcopyrite (Spain).

**Distribution:** From the Szklarska Poręba Huta quarry, Lower Silesia, Poland [TL]. At El Valle-Boinás, Asturias, northern Spain.

**Name:** For the region of Poland where the studied material was collected.

**Type Material:** Mineralogical Museum, University of Wrocław, Poland (MMWr IV7929).

**References:** (1) Hålenius, U., F. Hatert, M. Pasero, and S.J. Mills (2017) IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) Newsletter 40. New minerals and nomenclature modifications approved in 2017. *Mineral. Mag.*, 81(6), 1578. (2) Cepedal, A., M. Fuertes-Fuente, and A. Martin-Izard (2021) Occurrence of silesiaite, a new calcium-iron-tin sorosilicate in the calcic skarn of El Valle-Boinás, Asturias, Spain. *Eur. J. Mineral.*, 33, 165-174.