

Crystal Data: Orthorhombic. *Point Group:* $2/m\ 2/m\ 2/m$. As thin crystals, flattened on {001}, elongated, may be spearhead-shaped, to 0.5 mm; commonly in globular aggregates.

Physical Properties: *Cleavage:* {001}, perfect. *Fracture:* Irregular. Hardness = ~ 2
D(meas.) = 6.69 (synthetic). D(calc.) = 6.90

Optical Properties: Translucent to opaque. *Color:* Green to dark green. *Streak:* Green.
Luster: Dull, may be pearly.
Optical Class: Biaxial (+). *Pleochroism:* X = dark green to brownish green; Y = dark green;
Z = pale green to yellowish. *Orientation:* Z = c. *Dispersion:* $r \ll v$, strong. $\alpha = 2.285(2)$
 $\beta = 2.40(2)$ $\gamma = 2.58(2)$ $2V(\text{meas.}) = \text{n.d.}$ $2V(\text{calc.}) = 82^\circ$

Cell Data: *Space Group:* $P2_12_1$ (probable). $a = 8.59(2)$ $b = 9.58(2)$ $c = 6.12(2)$
Z = 4

X-ray Powder Pattern: Clara mine, Germany.
3.32 (10), 3.06 (10), 2.73 (6), 2.46 (5), 2.98 (4), 1.919 (4), 1.829 (3)

Chemistry:	(1)	(2)
	WO ₃	44.30
	Sb ₂ O ₃	55.70
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	Total	100.00

(1) Clara mine, Germany; by electron microprobe, average of three analyses; corresponding to Sb_{2.01}W_{0.99}O₆. (2) Sb₂WO₆.

Occurrence: In a hydrothermal polymetallic barite–fluorite deposit.

Association: Cervantite, quartz, barite, fluorite, tetrahedrite–tennantite, chalcopyrite.

Distribution: From the Clara mine, near Oberwolfach, Black Forest, Germany.

Name: For TUNGsten and antimony, STIBium, in the composition.

Type Material: n.d.

References: (1) Walenta, K. (1995) Tungstibit, Sb₂O₃•WO₃ – ein neues Mineral von der Grube Clara bei Oberwolfach im mittleren Schwarzwald (Deutschland). *Chem. Erde*, 55(3), 217–224 (in German with English abs.). (2) (1996) *Amer. Mineral.*, 81, 767 (abs. ref. 1).