

Crystal Data: Cubic. *Point Group:* $4/m \bar{3} 2/m$. Always anhedral, forming earthy crusts.

Physical Properties: Hardness = 4–5 D(meas.) = n.d. D(calc.) = 7.38

Optical Properties: Transparent to opaque. *Color:* Yellow to yellow-brown, rarely greenish; brownish in transmitted light.

Optical Class: Isotropic. $n = 2.09(1)$

Cell Data: *Space Group:* $Fd3m$. $a = 10.38$ $Z = 8$

X-ray Powder Pattern: Neubulach, Germany.

3.01 (10), 2.60 (7), 1.833 (7), 1.565 (7), 1.190 (5), 1.162 (5), 1.498 (4)

Chemistry:

	(1)
Fe_2O_3	6.9
Bi_2O_3	49.2
Sb_2O_3	43.9
Total	100.0

(1) Clara mine, Germany; by electron microprobe, corresponds to $\text{Bi}_{1.31}^{3+}\text{Sb}_{1.69}^{5+}\text{Fe}_{0.54}^{3+}\text{O}_7$.

Mineral Group: Stibiconite group.

Occurrence: A secondary mineral formed as an alteration product of bismuthian tetrahedrite–tennantite.

Association: Tetrahedrite–tennantite, chalcopyrite, beyerite, atelestite, preisingerite, bismutite, malachite, azurite, olivenite.

Distribution: From the Clara mine, near Oberwolfach, at Neubulach, and at Niederohlsbach, Black Forest, Germany.

Name: For a *bismuth*-containing member of the *stibiconite* group.

Type Material: n.d.

References: (1) Walenta, K. (1983) Bismutostibiconit, ein neues Mineral der Stibiconitgruppe aus dem Schwarzwald. *Chem. Erde*, 42, 77–81 (in German with English abs.). (2) (1984) *Amer. Mineral.*, 69, 1190 (abs. ref. 1).