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Crystal Data: Orthorhombic. Point Group: $2/m \ 2/m \ 2/m$, mm2, or 222. Lathlike crystals, flattened on $\{010\}$ in spherulitic aggregates, to 0.3 mm; as crusts.

Physical Properties: Cleavage: $\{010\}$, perfect. Fracture: Irregular. Hardness = ~ 2 D(meas.) = > 4.03 D(calc.) = 4.27 Radioactive.

Optical Properties: Translucent. *Color:* Yellow, orange, pale brown. *Streak:* Yellow. *Luster:* Dull.

Optical Class: Biaxial (-). Pleochroism: X = nearly colorless, Y = Z = yellow. Orientation: X = b. Dispersion: r > v. $\alpha = 1.682(5)$ $\beta = 1.845(5)$ $\gamma = 1.855(5)$ $2V(\text{meas.}) = 42^{\circ}$

Cell Data: Space Group: Pmmm, Pmm2. or P222. a=9.22 b=13.81 c=7.17 Z=2

X-ray Powder Pattern: Clara mine, Germany. 6.96 (10), 3.21 (7), 4.60 (6), 3.46 (5), 2.77 (4), 1.970 (4), 3.01 (3)

Chemistry:

	(1)
UO_3	45.1
WO_3	19.8
FeO	2.3
PbO	6.9
BaO	4.9
${\rm H_2O}$	22.5
Total	101.5

(1) Menzenschwand, Germany; by electron microprobe and AA, average of two analyses, total Fe as FeO, H₂O by loss on heating; corresponds to $(Fe_{0.38}Ba_{0.37}Pb_{0.36})_{\Sigma=1.11}(UO_2)_{1.82}(WO_4)_{0.99}$ (OH)_{3.88}•12.52H₂O.

Occurrence: A rare secondary mineral formed in polymetallic base metal deposits.

Association: Metauranocircite, metaheinrichite, bergenite, metatorbernite, metazeunerite, schoepite, quartz.

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

Name: For its content of URANium and TUNGsten.

Type Material: University of Stuttgart, Stuttgart, Germany.

References: (1) Walenta, K. (1985) Uranotungstit, ein neues sekundäres Uranmineral aus dem Schwarzwald. Tschermaks Mineral. Petrog. Mitt., 34, 25–34 (in German with English abs.). (2) (1986) Amer. Mineral., 71, 1547 (abs. ref. 1).