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Crystal Data: Orthorhombic. *Point Group:* 2/m 2/m, mm2, or 222. As flattened needles, in bundles and radial aggregates, to 0.75 mm, in crusts.

Physical Properties: Hardness = ~ 2 D(meas.) = 2.60(10) D(calc.) = 2.59

Optical Properties: Translucent. Color: White to blue-green. Luster: Satiny. Optical Class: Biaxial (-). Orientation: $X \perp$ flattening; $Y \parallel$ transverse axis; $Z \parallel$ length. Dispersion: r > v. $\alpha = 1.540-1.548$ $\beta = [1.546]$ $\gamma = 1.548-1.560$ 2V(meas.) = $\sim 66^{\circ}$

Cell Data: Space Group: Pmnm, Pma2, $Pmn2_1$, or $P2_122_1$. a=15.53 b=17.78 c=7.03 Z=10

X-ray Powder Pattern: Neubulach, Germany.

7.78 (10), 3.49 (8), 8.97 (7), 6.55 (7), 5.92 (7), 3.75 (7), 2.73 (6b)

Chemistry:

	(1)	(2)
$\mathrm{As_2O_5}$	39.1	38.57
Al_2O_3	37.2	34.22
$\rm H_2O$	25.5	27.21
Total	101.8	100.00

- (1) Neubulach, Germany; H_2O by TGA, corresponds to $Al_{2.17}As_{1.01}O_{4.05}(OH)_{3.46} \cdot 2.48H_2O$.
- (2) $Al_2(AsO_4)(OH)_3 \cdot 3H_2O$.

Occurrence: Initially found on two museum specimens collected on mine dumps.

Association: Arsenocrandallite, malachite, azurite, barian pharmacosiderite, goethite, quartz.

Distribution: At Neubulach, Black Forest, Germany.

Name: For the occurrence at Neubulach, Germany.

Type Material: n.d.

References: (1) Walenta, K. (1983) Bulachit, ein neues Aluminiumarsenatmineral von Neubulach im nördlichen Schwarzwald. Aufschluss, 34, 445–451 (in German). (2) (1985) Amer. Mineral., 70, 214 (abs. ref. 1).