

Crystal Data: Monoclinic or triclinic, pseudomonoclinic. *Point Group:* $2/m$ or $\bar{1}$.
As elongated, flattened crystals, to 1 cm, showing {100} and {001}; in crusts.

Physical Properties: *Fracture:* Uneven. Hardness = 5 D(meas.) = 3.40(2) D(calc.) = 3.40
Fluoresces pale shades of yellowish brown, greenish, or bluish under SW UV.

Optical Properties: Translucent. *Color:* Colorless, white or gray, dark gray-brown, brownish black; may be green or pink. *Luster:* Vitreous to greasy.

Optical Class: Biaxial (-). *Orientation:* $X \simeq a$; $Y = b$; $Z \simeq c$. *Dispersion:* $r \gg v$.
 $\alpha = 1.659\text{--}1.660$ $\beta = 1.678\text{--}1.681$ $\gamma = 1.690\text{--}1.694$ $2V(\text{meas.}) = \sim 70^\circ$ $2V(\text{calc.}) = 74^\circ\text{--}78^\circ$

Cell Data: *Space Group:* $P2_1/c$. $a = 4.8818(9)$ $b = 7.809(1)$ $c = 10.127(1)$
 $\beta = 90.16(1)^\circ$ $Z = 4$

X-ray Powder Pattern: Långban, Sweden.

3.200 (10), 3.519 (8), 4.879 (7), 3.905 (7), 3.046 (7), 2.917 (7), 2.409 (6)

Chemistry:

	(1)	(2)
As ₂ O ₅	51.58	56.06
SiO ₂	2.48	
BeO	13.0	12.20
CaO	28.57	27.35
H ₂ O	6.0	4.39
Total	101.63	100.00

(1) Långban, Sweden; by electron microprobe, average of ten analyses, BeO from average of three determinations, by AA, emission spectroscopy, and the Weisz Ring-Oven technique, H₂O by TGA; corresponds to Ca_{0.99}Be_{1.02}[(AsO₄)_{0.87}(SiO₄)_{0.08}]_{Σ=0.95}(OH)_{1.30}. (2) CaBe(AsO₄)(OH).

Occurrence: In thin veins in pieces of hematite ore found on mine dumps from a metamorphosed Fe–Mn orebody (Långban, Sweden); in rhyolite (Sailauf, Germany).

Association: Manganoan diopside, manganberzeliite, tilasite, svabite, hematite, calcite, barite (Långban, Sweden); hematite, muscovite (Sailauf, Germany).

Distribution: From Långban, Värmland, Sweden. In Switzerland, in the Falotta mine, Oberhalbstein, and in the Fianel mine, Val Ferrera, Graubünden; on the west flank of Cherbadung [Pizzo Cervandone], Binntal, Valais. At Sailauf, northeast of Aschaffenburg, Spessart Mountains, Bavaria, Germany.

Name: For the occurrence at Långban, which is in the *Bergslagen* region of Sweden.

Type Material: University of Copenhagen, Copenhagen, Denmark; National Museum of Natural History, Washington, D.C., USA, 162582.

References: (1) Hansen, S., L. Fälth, O.V. Petersen, and O. Johnsen (1984) Bergslagite, a new mineral species from Långban, Sweden. *Neues Jahrb. Mineral., Monatsh.*, 257–262. (2) Hansen, S., L. Fälth, and O. Johnsen (1984) Bergslagite, a mineral with tetrahedral beryllioarsenate sheet anions. *Zeits. Krist.*, 166, 73–80. (3) (1985) *Amer. Mineral.*, 70, 436 (abs. refs. 1 and 2). (4) Kolitsch, U. (1996) Bergslagit aus dem Rhyolith-Steinbruch bei Sailauf im Spessart. *Mineralien Welt*, 7(5), 45–46 (in German).