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Crystal Data: Monoclinic, pseudohexagonal. *Point Group:* 2/m. Rarely as elongated or lenticular crude crystals; more commonly granular, massive.

Physical Properties: Cleavage: On pseudo- $\{10\overline{1}1\}$. Fracture: Conchoidal. Hardness = 3–4 D(meas.) = 4.17–4.22 D(calc.) = 4.17

Optical Properties: Opaque to translucent. *Color:* Brownish red to cherry-red, yellow, dark green, gray; orange, light apricot-orange, or brownish orange in transmitted light. *Streak:* Yellowish brown. *Luster:* Dull.

Optical Class: Uniaxial (+), or nearly so. $\omega = 1.794(3)$ $\epsilon = 1.803(3)$ 2V(meas.) = Small, anomalous.

Cell Data: Space Group: $P2_1/c$. a = 11.31 b = 13.06 c = 6.86 $\beta = [99^{\circ}]$ Z = 4

X-ray Powder Pattern: Sjö mine, Sweden.

2.825 (10), 2.676 (6), 2.993 (4.5), 1.693 (4.5), 6.52 (4), 3.27 (4), 2.793 (4)

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	(1)	(2)		(1)	(2)
P_2O_5		0.2	CaO	8.11	6.1
As_2O_5	44.98	51.8	BaO		0.2
$\mathrm{Sb}_{2}\mathrm{O}_{5}$	trace		Na_2O		5.53
Fe_2O_3	3.68	3.5	Cl	trace	
MnO	28.25	26.3	$\mathrm{H_{2}O^{+}}$		0.05
PbO	4.48	3.3	H_2O^-		0.01
MgO	3.10	2.5	${\rm H_2^2O}$	5.67	
			Total	98.27	99.49

(1) Sjö mine, Sweden. (2) Do.; by electron microprobe, total Fe as Fe₂O₃, As as As₂O₅, by microchemical test, total Mn as MnO, Na by flame photometry, H₂O by the Penfield method; corresponds to Na_{1.07}(Ca_{0.71}Pb_{0.10}Mn²⁺_{0.09}Na_{0.09}Ba_{0.01})_{$\Sigma=1.00$}Mn²⁺(Mn²⁺_{1.31}Mg_{0.40}Fe³⁺_{0.28})_{$\Sigma=1.98$} [(AsO₄)_{2.93}(PO₄)_{0.02}]_{$\Sigma=2.95$}.

Mineral Group: Alluaudite group.

Occurrence: As fracture fillings and thin veins in banded dolostone (Sjö mine, Sweden); in a metamorphosed Fe–Mn orebody (Långban, Sweden).

Association: Rhodonite, tephroite, hedyphane, dolomite, calcite (Sjö mine, Sweden); calcite, berzeliite, kutnohorite, sarkinite, gonyerite, katoptrite (Långban, Sweden).

Distribution: From the Sjö mine, Örebro, and at Långban, Värmland, Sweden.

Name: From arsenic and the Greek for more, as it added to the number of related minerals previously described.

Type Material: n.d.

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