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Crystal Data: Hexagonal. *Point Group:* 3. As fine-grained, polycrystalline intergrowths and massive.

Physical Properties: Fracture: Irregular. Hardness = ~ 4 D(meas.) = n.d. D(calc.) = 4.77 Weakly magnetic, probably due to inclusions of magnetite.

Optical Properties: Nearly opaque. *Color:* Dark brown. *Streak:* Reddish brown. *Luster:* Vitreous.

Optical Class: Uniaxial (+). $\omega = 1.857(3)$ $\epsilon = 1.875(3)$

Cell Data: Space Group: P3 (probable). a = 8.183(7) c = 4.756(9) Z = 2

X-ray Powder Pattern: Sjö mine, Sweden.

 $3.096\ (100),\ 1.778\ (90),\ 2.334\ (70),\ 2.838\ (50),\ 1.550\ (50),\ 2.680\ (40),\ 4.08\ (30)$

Chemistry:

	(1)
SiO_2	15.2
WO_3	0.0
Al_2O_3	0.3
$\rm Fe_2O_3$	9.2
$\rm Sb_2O_5$	15.8
As_2O_5	1.6
V_2O_5	0.0
MnO	54.6
MgO	0.8
H_2O	[2.8]
Total	[100.3]

(1) Sjö mine, Sweden; by electron microprobe, H_2O by analogy to welinite; corresponds to $Mn_{3.04}(Fe_{0.46}^{3+}Sb_{0.38}Mg_{0.08}As_{0.06}Al_{0.02})_{\Sigma=1.00}Si_{1.00}[O, (OH)]_{\Sigma=\sim7}$.

Occurrence: A fine-grained aggregate with antimonates.

Association: Calcite, hausmannite, magnetite, dolomite.

Distribution: At the Sjö mine, near Grythyttan, Örebro, Sweden.

Name: For the town of Örebro, Sweden, about 60 km southeast of the Sjö mine.

Type Material: Swedish Museum of Natural History, Stockholm, Sweden, RM 93:0255; National Museum of Natural History, Washington, D.C., USA, 163008.

References: (1) Dunn, P.J., D.R. Peacor, R.C. Erd, and R.A. Ramik (1986) Franciscanite and örebroite, two new minerals from California and Sweden, related to redefined welinite. Amer. Mineral., 71, 1522–1526.