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Crystal Data: Monoclinic. *Point Group:* 2/m. As crystals, flattened on {010}, elongated \parallel [100] or [001], showing {100}, {010}, {001}, {011}, {101}, {103}, {111}; striated on {110} \parallel [100].

Physical Properties: Cleavage: Perfect on $\{001\}$, nearly micaceous. Tenacity: Flexible, in thin laminae; somewhat malleable. Hardness = 2.5 VHN = 171–268, average 221 (100 g load). D(meas.) = 6.84 D(calc.) = 7.133

Optical Properties: Opaque, translucent on thin edges. *Color:* Pitch-black; deep brown in transmitted light. *Streak:* Dark brownish gray. *Luster:* Metallic to adamantine. *Optical Class:* Biaxial (+) (?). *Orientation:* X = b; $Y \simeq c$. *Absorption:* Z > X. $n = \sim 2.30$ 2V(meas.) = n.d. Anisotropism: Strong.

 $\begin{array}{l} R_1-R_2: \ (400) \ 28.1-32.6, \ (420) \ 26.7-30.9, \ (440) \ 25.3-29.2, \ (460) \ 24.0-27.7, \ (480) \ 23.0-26.3, \ (500) \ 22.1-25.1, \ (520) \ 21.4-24.2, \ (540) \ 20.8-23.4, \ (560) \ 20.4-22.8, \ (580) \ 20.0-22.2, \ (600) \ 19.7-21.8, \ (620) \ 19.5-21.5, \ (640) \ 19.4-21.3, \ (660) \ 19.2-21.0, \ (680) \ 19.2-20.9, \ (700) \ 19.2-20.9 \end{array}$

Cell Data: Space Group: P2/a. a = 5.61 b = 5.70 c = 9.15 $\beta = 93.0^{\circ}$ Z = 4

X-ray Powder Pattern: Långban, Sweden. 3.04 (10), 2.72 (8), 3.68 (7), 3.60 (7), 2.95 (6), 2.44 (4), 2.08 (4)

Chemistry:		(1)	(2)
	MnO	23.44	22.80
	PbO	70.21	71.74
	MgO	0.30	
	CaO	0.15	
	Na_2O	0.28	
	$K_2 \overline{O}$	0.17	
	Ō	2.40	2.57
	H_2O	3.05	2.89
	Total	[100.00]	100.00
	1 1 . 1 . 1000	~ C 1 1	

(1) Långban, Sweden; recalculated to 100% after deduction of $CaCO_3 1.46\%$, $Fe_2O_3 0.28\%$.

(2) $PbMnO_2(OH)$.

Occurrence: In a metamorphosed Fe–Mn orebody (Långban, Sweden).

Association: Calcite, barite, hausmannite, braunite (Långban, Sweden).

Distribution: From Långban, Värmland, Sweden. At Tirodi, Madhya Pradesh, India. From Luce Bay, Wigtownshire, Scotland.

Name: Honors Professor Percy Dudgeon Quensel (1881–1966), Swedish mineralogist and petrologist, Stockholm University, Stockholm, Sweden.

Type Material: n.d.

References: (1) Palache, C., H. Berman, and C. Frondel (1944) Dana's system of mineralogy, (7th edition), v. I, 729–730. (2) Rouse, R.C. (1971) The crystal structure of quenselite. Zeits. Krist., 134, 321–332. (3) Welin, E. (1968) X-ray powder data for minerals from Långban and the related mineral deposits of Central Sweden. Arkiv Mineral. Geol., 4(30), 499–541.