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Crystal Data: Monoclinic. Point Group: 2/m. Diamond-shaped crystals, dipyramidal $\{111\}$, with $\{101\}$, $\{100\}$, as euhedral individuals, to 1 cm, and in aggregates. Twinning: Penetration twins, on $\{001\}$ and $\{100\}$ as composition planes, typical.

Physical Properties: Fracture: Irregular. Tenacity: Brittle. Hardness = 5.5 D(meas.) = 6.86(3) D(calc.) = 6.89

Optical Properties: Transparent to translucent. *Color:* Dark brown to black. *Streak:* Dark brown. *Luster:* Vitreous.

Optical Class: Biaxial (+). n = 2.0 2V(meas.) = n.d.

Cell Data: Space Group: C2/c. a = 9.466(1) b = 11.431(1) c = 5.126(1) $\beta = 90.31(2)^{\circ}$ Z = 4

X-ray Powder Pattern: Tanco pegmatite, Canada. 2.976 (100), 2.966 (95), 3.644 (46), 2.495 (36), 1.715 (23), 1.455 (18), 1.767 (17)

Chemistry:

	(1)	(2)	(3)
Nb_2O_5	11.1	11.1	
${ m Ta_2O_5}$	59.9	60.3	74.55
${ m TiO}_2$	9.2	8.0	13.48
SnO_2	7.4	8.3	
Fe_2O_3	0.1	0.5	
FeO	3.1	2.5	
MnO	9.0	9.6	11.97
Total	[99.8]	100.3	100.00

(1) Tanco pegmatite, Canada; by electron microprobe, core of a grain; original total given as 99.7%. (2) Do.; rim of a grain, Fe^{2+} : Fe^{3+} calculated from stoichiometry. The average of (1) and (2) corresponds to $(Mn_{0.76}Fe_{0.22}^{2+})_{\Sigma=0.98}(Ti_{0.62}Sn_{0.30}Ta_{0.06}Fe_{0.02}^{3+})_{\Sigma=1.00}(Ta_{1.52}Nb_{0.48})_{\Sigma=2.00}O_8$. (3) $Mn^{2+}TiTa_2O_8$.

 $\mbox{\bf Mineral Group:} \ \ \mbox{Wodginite group:} \ \mbox{Li}_{\rm A} \leq 0.5; \mbox{Fe}_{\rm A}^{2+} \leq 0.5; \mbox{Ti}_{\rm B} > 0.5.$

Occurrence: In a complex zoned granite pegmatite (Tanco pegmatite, Canada).

Association: Microlite, manganocolumbite, albite, quartz, muscovite, beryl (Tanco pegmatite, Canada).

Distribution: In the Tanco pegmatite, Bernic Lake, Manitoba, Canada. From San Piero in Campo, Elba, Italy.

Name: For predominant TITANium and its relation to wodginite.

Type Material: R.B Ferguson Mineralogical Museum, University of Manitoba, Winnipeg, Canada.

References: (1) Ercit, T.S., P. Černý, and F.C. Hawthorne (1992) The wodginite group. III. Classification and new species. Can. Mineral., 30, 633–638. (2) (1993) Amer. Mineral., 78, 848 (abs. ref. 1).