(c)2001-2005 Mineral Data Publishing, version 1

Crystal Data: Tetragonal. *Point Group:* n.d. As veinlets and elongated aggregates, to 0.3 mm. *Twinning:* Polysynthetic, complex, observed microscopically.

Physical Properties: Hardness = n.d. $VHN = 1240 \ (40 \ g \ load)$. D(meas.) = n.d. D(calc.) = 6.87(5)

Optical Properties: Transparent. Color: Colorless; light gray in reflected light.

Streak: White. Luster: Adamantine.

Optical Class: Uniaxial. Anisotropism: Strong. Bireflectance: Weak. R_1-R_2 : (476) 18.2–17.1, (553) 17.3–16.5, (589) 17.1–16.5, (656) 15.6–15.3

Cell Data: Space Group: n.d. a = 13.552(8) c = 6.445(5) Z = 2

X-ray Powder Pattern: Manono pegmatite, Congo. 3.054 (10), 1.869 (7), 1.593 (7), 6.11 (5), 3.19 (5), 2.037 (5b), 1.181 (5)

Chemistry:

	(1)
Nb_2O_5	3.24
Ta_2O_5	63.85
SnO_2	[1.60]
$\mathrm{Sb_2O_3}$	2.88
SnO	1.49
PbO	20.24
CaO	0.83
Na_2O	0.71
$\mathrm{Cs_2O}$	5.37
Total	[100.21]

(1)

(1) Manono pegmatite, Congo; by electron microprobe, average of three analyses; corresponding to $(Cs_{0.94}Na_{0.57}Ca_{0.37})_{\Sigma=1.88}(Pb_{2.24}Sb_{0.49}^{3+}Sn_{0.27}^{2+})_{\Sigma=3.00}(Ta_{7.15}Nb_{0.60}Sn_{0.26}^{4+})_{\Sigma=8.01}O_{24}.$

Occurrence: In veinlets in a museum specimen from a granite pegmatite.

Association: Lithiotantite, cassiterite, calciotantite, microlite, thoreaulite.

Distribution: From the Manono pegmatite, Katanga Province, Congo (Shaba Province, Zaire).

Name: For CESium, lead (PLUMbum), and TANTalum in the composition.

Type Material: Mining Museum, State University, St. Petersburg, Russia, 1547/2.

References: (1) Voloshin, A.V., Y.A. Pakhomovskii, A.Y. Bakhchisaraytsev, and N.N. Devnina (1986) Cesplumtantite – a new cesium-lead tantalate from granitic pegmatites. Mineral. Zhurnal, 8(5), 92–98 (in Russian with English abs.). (2) (1989) Amer. Mineral., 74, 501 (abs. ref. 1).