$\bigodot 2001\mathchar`-2005$ Mineral Data Publishing, version 1

Crystal Data: Monoclinic. Point Group: 2/m. As well-formed pseudorhombohedral crystals, nearly equant, dominated by $\{\overline{101}\}$ and $\{110\}$, with six minor forms, to 0.4 mm.

Physical Properties: Cleavage: On $\{\overline{1}01\}$, fair. Fracture: Uneven. Tenacity: Brittle. Hardness = 3–4 D(meas.) = n.d. D(calc.) = 4.76

Optical Properties: Transparent. *Color:* Emerald-green; grey in reflected light with bright green internal reflections at grain boundaries. *Streak:* Green. *Luster:* Adamantine. *Optical Class:* Isotropic, nearly. n = 1.92 $\alpha = n.d.$ $\beta = n.d.$ $\gamma = n.d.$ 2V(meas.) = n.d. *Bireflectance:* Weak.

 $\begin{array}{l} {\rm R_{1}-R_{2}:} \ (420) \ 11.0-11.3, \ (440) \ 10.8-11.2, \ (460) \ 10.7-11.1, \ (480) \ 10.7-11.0, \ (500) \ 10.7-10.8, \ (520) \ 10.6-10.7, \ (540) \ 10.4-10.5, \ (560) \ 10.15-10.3, \ (580) \ 9.9-10.0, \ (600) \ 9.6-9.8, \ (620) \ 9.4-9.6, \ (640) \ 9.25-9.4, \ (660) \ 9.15-9.3, \ (680) \ 9.0-9.2, \ (700) \ 9.1-9.2 \end{array}$

Cell Data: Space Group: $P2_1/n$. a = 9.224(2) b = 9.180(1) c = 7.600(1) $\beta = 102.38(1)^{\circ}$ Z = 4

X-ray Powder Pattern: Centennial Eureka mine, Utah, USA. 6.428 (100), 3.217 (70), 2.530 (50), 2.601 (40), 2.144 (35), 1.750 (35), 4.523 (30)

Chemistry:		(1)	(2)
	TeO_3	38.91	39.00
	CuO	50.91	53.00
	ZnO	0.31	
	H_2O	[8.00]	8.00
	Total	[98.13]	100.00
		1 /	. 1

(1) Centennial Eureka mine, Utah, USA; by electron microprobe, average of two analyses, H_2O confirmed by IR and crystal-structure analysis; corresponds to $(Cu_{2.92}Zn_{0.02})_{\Sigma=2.94}$ Te_{1.01}O_{5.97}•2.03H₂O. (2) Cu₃TeO₆•2H₂O.

Occurrence: Very rare in an oxidized Cu–Te-bearing sulfide deposit.

Association: Mcalpineite, xocomecatlite, leisingite, cesbronite, quartz.

Distribution: Collected on the dumps of the Centennial Eureka mine, Tintic district, Juab Co., Utah, USA.

Name: Honors Martin C. Jensen (1959–), Reno, Nevada, USA, student of the mineralogy of Utah and Nevada, USA, who collected the first specimens.

Type Material: Canadian Museum of Nature, Ottawa, Canada, 67424.

References: (1) Roberts, A.C., J.D. Grice, L.A. Groat, A.J. Criddle, R.A. Gault, R.C. Erd, and E.A. Moffatt (1996) Jensenite, $Cu_3 Te^{6+}O_6 \cdot 2H_2O$, a new mineral species from the Centennial Eureka mine, Tintic district, Juab County, Utah. Can. Mineral., 34, 49–54. (2) Grice, J.D., L.A. Groat, and A.C. Roberts (1996) Jensenite, a cupric tellurate framework structure with two coordinations of copper. Can. Mineral., 34, 55–59. (3) (1996) Amer. Mineral., 81, 1282–1283 (abs. refs. 1 and 2).