

Crystal Data: Triclinic, pseudohexagonal. *Point Group:* 1 or $\bar{1}$. In sprays of subparallel pseudohexagonal crystals, elongated along [001], to 1 mm; may be fibrous.

Physical Properties: *Cleavage:* {001}, interrupted. Hardness = ~ 3 D(meas.) = n.d. D(calc.) = 5.77

Optical Properties: Transparent to translucent. *Color:* Colorless to white. *Streak:* White. *Luster:* Greasy to subadamantine.

Optical Class: Biaxial (+). *Orientation:* $X \wedge c = 3^\circ\text{--}5^\circ$. $\alpha = 1.920(5)$ $\beta = [1.922]$ $\gamma = 1.943(5)$ $2V(\text{meas.}) = 20(5)^\circ$

Cell Data: *Space Group:* $P1$ or $P\bar{1}$. $a = 6.945(12)$ $b = 6.958(11)$ $c = 9.279(6)$ $\alpha = 102.94(10)^\circ$ $\beta = 103.05(11)^\circ$ $\gamma = 114.77(12)^\circ$ $Z = 2$

X-ray Powder Pattern: Tsumeb, Namibia.

2.95 (10), 3.41 (5), 2.22 (5), 4.20 (4), 1.847 (4), 1.782 (4), 5.87 (3)

Chemistry:	(1)
	GeO ₂ 64.7
	PbO 35.5
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	Total 100.2

(1) Tsumeb, Namibia; by electron microprobe, corresponding to Pb_{1.03}Ge_{3.99}O₉.

Occurrence: In cavities in oxidized germanium-bearing sulfides in a dolostone-hosted hydrothermal polymetallic ore deposit.

Association: Tennantite, germanite, reniéríte, chalcocite, schaurteite, siderite, calcite, quartz, gypsum.

Distribution: From Tsumeb, Namibia.

Name: From *Otjisume*, the Herero name for Tsumeb, Namibia.

Type Material: University of Stuttgart, Stuttgart, Germany, NM06; National Museum of Natural History, Washington, D.C., USA, 149053.

References: (1) Keller, P., H. Hess, and P.J. Dunn (1981) Otjisumeit, PbGe₄O₉, ein neues Mineral aus Tsumeb, Namibia. Neues Jahrb. Mineral., Monatsh., 49–55 (in German with English abs.). (2) (1987) Amer. Mineral., 72, 1026–1027 (abs. ref. 1).