

Crystal Data: Hexagonal. *Point Group:* $6/m\ 2/m\ 2/m$, $\bar{6}m2$, or $6mm$. Needlelike crystals, to 1 cm, in fibrous aggregates.

Physical Properties: Hardness = n.d. $D(\text{meas.}) = \sim 2.65$ $D(\text{calc.}) = 2.64$

Optical Properties: Semitransparent. *Color:* White. *Luster:* Silky.
Optical Class: Uniaxial (+). $\omega = 1.569$ $\epsilon = 1.581$

Cell Data: *Space Group:* $P6_3/mmc$, $P\bar{6}2c$, or $P6_3mc$. $a = 8.525$ $c = 10.803$ $Z = 2$

X-ray Powder Pattern: Tsumeb, Namibia.

3.34 (10), 4.26 (7), 2.129 (6), 7.40 (5), 3.49 (5), 2.579 (5), 2.239 (5)

Chemistry:

	(1)	(2)
SO_3	29.5	29.60
GeO_2	[21.5]	19.33
CaO	31.7	31.09
$\text{H}_2\text{O}^{800^\circ\text{C}}$	19.9	
$\text{H}_2\text{O}^{105^\circ\text{C}}$	0.2	
H_2O		19.98
Total	[102.8]	100.00

(1) Tsumeb, Namibia; original analysis presented as GeO 18.2%, DTG shows Ge^{4+} , corrected to GeO_2 above. (2) $\text{Ca}_3\text{Ge}(\text{SO}_4)_2(\text{OH})_6 \cdot 3\text{H}_2\text{O}$.

Occurrence: A rare secondary mineral formed in the oxidized zone of a dolostone-hosted hydrothermal polymetallic ore deposit.

Association: Germanite.

Distribution: From Tsumeb, Namibia.

Name: Honors Dr. Werner T. Schaurte (1893–1978), German chemist, Johannesburg, South Africa.

Type Material: The holotype is missing from the Technical University, Berlin, Germany; National School of Mines, Paris, France; National Museum of Natural History, Washington, D.C., USA, 144520.

References: (1) Strunz, H. and C. Tennyson (1967) Schaurteit, ein neues Germanium-Mineral von Tsumeb/SW-Afrika und seine Paragenese. In: *Festschrift Dr. Werner T. Schaurte*, Bauer & Schaurte, Neuss/Rhein, Germany (BRD), 33-47 (in German). (2) (1968) *Amer. Mineral.*, 53, 507 (abs. ref. 1).