Zincrosasite $(Zn, Cu)_2(CO_3)(OH)_2$

Crystal Data: Monoclinic (by analogy to rosasite). *Point Group:* n.d. Radial fibrous, to 1.5 mm; in crusts.

Physical Properties: Hardness = ~1 D(meas.) = n.d. D(calc.) = n.d.

Optical Properties: Semitransparent. *Color:* Pale blue to almost white. *Streak:* Pale blue. *Optical Class:* Biaxial (–) (by analogy to rosasite).

Cell Data: *Space Group:* n.d. Z = n.d.

X-ray Powder Pattern: n.d.

Chemistry: (1) Tsumeb, Namibia; no analysis presented, stated to have a ratio of Zn:Cu = 58.60:51.94 or greater.

Mineral Group: Rosasite group.

Occurrence: In an oxidized zone of a dolostone-hosted hydrothermal polymetallic ore deposit (Tsumeb, Namibia).

Association: Azurite, cerussite, hemimorphite (Tsumeb, Namibia); cerussite, aurichalcite, malachite (Rudabánya, Hungary).

Distribution: From Tsumeb, Namibia. At Rudabánya, Hungary. In the Kamariza mine, Laurium, Greece.

Name: For its predominance of *zinc* content over copper content, and its relation to *rosasite*.

Type Material: Technical University, Berlin; National Museum of Natural History, Washington, D.C., USA, 163340.

References: (1) Strunz, H. (1959) Tsumeb, seine Erze und Sekundär-mineralien, insbesondere der neu aufgeschlossen zweiten Oxydationszone. Fortschr. Mineral., 37, 87–90 (in German).
(2) (1959) Amer. Mineral., 44, 1373 (abs. ref. 1).