

Crystal Data: Hexagonal. *Point Group:* $\bar{3}$. Mosaic rhombohedral crystals, showing only {10 $\bar{1}$ 4}, to 0.5 mm, saddle-shaped and strongly twisted.

Physical Properties: *Cleavage:* On {10 $\bar{1}$ 4}, prominent. Hardness = 3.5 D(meas.) = 3.45(2) D(calc.) = 3.445

Optical Properties: Semitransparent. *Color:* Milky white to colorless. *Luster:* Vitreous to pearly.

Optical Class: Uniaxial (-). $\omega = 1.734\text{--}1.750$ $\epsilon = 1.542\text{--}1.550$

Cell Data: *Space Group:* $R\bar{3}$. $a = 4.8183(4)$ $c = 16.0295(10)$ $Z = \text{n.d.}$

X-ray Powder Pattern: Tsumeb, Namibia; similar to dolomite. 2.890 (100), 1.789 (40), 1.806 (33), 2.410 (25), 3.701 (20), 2.196 (20), 2.019 (15)

Chemistry:	(1)	(2)
CO ₂	[39.50]	39.04
FeO	1.10	
MnO	0.10	
ZnO	33.46	36.09
MgO	1.20	
CaO	24.64	24.87
Total	[100.00]	100.00

(1) Tsumeb, Namibia; recalculated from an analysis presented as carbonates, CO₂ from stoichiometry; corresponds to Ca_{0.98}(Zn_{0.92}Mg_{0.06}Fe_{0.03})_{Σ=1.01}(CO₃)₂. (2) CaZn(CO₃)₂.

Mineral Group: Dolomite group.

Occurrence: In a dolostone-hosted hydrothermal polymetallic ore deposit (Tsumeb, Namibia); from the wallrock of a carbonate-hosted Pb–Zn orebody (Navan deposit, Ireland).

Association: Dioptase, duftite, malachite, cerussite, zincian dolomite, calcite (Tsumeb, Namibia); sphalerite, pyrite, melnikovite, magnesian calcite, dolomite, calcite, quartz (Navan deposit, Ireland).

Distribution: From Tsumeb, Namibia. In the Navan Pb–Zn orebody, Co. Meath, Ireland. At the Centennial Eureka mine, Tintic district, Juab Co., Utah, USA.

Name: For the MINeralogical RECORD magazine, in recognition of that journal's contributions to a beneficial interaction between professional and amateur mineralogists.

Type Material: Institute of Mineralogy, Bari University, Bari, Italy, HO-4/81.

References: (1) Garavelli, C.G., F. Vurro, and G.C. Fioravanti (1982) Minrecordite, a new mineral from Tsumeb. Mineral. Record, 13, 131–136. (2) (1983) Amer. Mineral., 68, 281 (abs. ref. 1).