

Crystal Data: Tetragonal. *Point Group:* 4/m 2/m 2/m. Crystals, to 100 μm , display {100} and {110}.

Physical Properties: *Cleavage:* Good on {001}. *Fracture:* Uneven.
Tenacity: Brittle. Hardness = ~ 4 D(meas.) = 4.20(5) D(calc.) = 4.236

Optical Properties: Almost opaque. *Color:* Purple to dark blue. *Streak:* Purple. *Luster:* Vitreous.
Optical Class: Uniaxial (-). $\omega = 1.745(20)$ $\epsilon = 1.730(20)$ *Pleochroism:* Strong, purple to blue.

Cell Data: *Space Group:* $I4_1/acd$. $a = 9.967(1)$ $c = 22.290(2)$ $Z = 16$

X-ray Powder Pattern: Wessels mine, Northern Cape Province, South Africa.
 2.985 (100), 3.533 (70), 2.499 (57), 5.577 (31), 4.560 (31), 4.997 (30), 2.280 (23)

Chemistry:	(1)
CuO	22.53
BaO	43.43
SiO ₂	34.04
Total	100.00

(1) Wessels mine, Northern Cape Province, South Africa; average of 5 electron microprobe analyses supplemented by IR spectroscopy; corresponding to Ba_{1.00}Cu_{1.00}Si_{2.00}O₆.

Occurrence: In a hydrothermally-altered sedimentary manganese deposit.

Association: Pectolite, quartz, aegirine, richterite, minerals of the garnet group, manganese and iron oxides with a dominance of hausmannite and hematite, effenbergerite-wesselsite, lavinskyite, scottite, diegogattaite.

Distribution: From the central-eastern ore body of the Wessels mine, Kalahari Manganese Field, Northern Cape Province, South Africa.

Name: Honors Colin R. Owens (b. 1937), Somerset West, South Africa, who collected the first specimens.

Type Material: Institute for Mineralogy and Crystallography, University of Vienna, Austria (HS13.097).

References: (1) Rieck, B., H. Pristacz, and G. Giester (2015) Colinowensite, BaCuSi₂O₆, a new mineral from the Kalahari Manganese Field, South Africa and new data on wesselsite, SrCuSi₄O₁₀. Mineral. Mag., 79(7), 1769-1778. (2) (2016) Amer. Mineral., 101, 2356 (abs. ref. 1).