**Colinowensite**

**BaCuSi$_2$O$_6$**

**Crystal Data:** Tetragonal. *Point Group:* I4/macd. Crystals, to 100 μm, display {100} and {110}.


**Cell Data:** *Space Group:* I4/macd. $a = 9.967(1)$ $c = 22.290(2)$ $Z = 16$

**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:**

<p>| | |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>CuO</td>
<td>22.53</td>
</tr>
<tr>
<td>BaO</td>
<td>43.43</td>
</tr>
<tr>
<td>SiO$_2$</td>
<td>34.04</td>
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<tr>
<td>Total</td>
<td>100.00</td>
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</table>

(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$_{2.00}$O$_6$.

**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, scottyite, 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:**