Nisnite

**Crystal Data:** Cubic. *Point Group: 4/m 3 2/m.* As blocky and square to rectangular tabular crystals to 100 μm, striated on {100} parallel elongation; as intricate, boxwork-like aggregates of crystals at 90° to one another.

D(meas.) = n.d.  
D(calc.) = 9.41

*Optical Class:* n.d.  
R: (470) 43.2, (546) 49.1, (589) 53.2, (650) 59.0

**Cell Data:** *Space Group:* P4/m 3 2/m.  
*a* = 3.7349(6)  
*Z =* 1

**X-Ray Diffraction Pattern:** Jeffrey mine, Asbestos, Les Sources RCM, Estrie, Quebec, Canada.  
2.155 (100), 1.867 (45), 3.728 (27), 1.320 (25), 2.639 (22), 1.127(22), 1.671(10)

**Chemistry:**

<table>
<thead>
<tr>
<th></th>
<th>(1)</th>
<th>(2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ni</td>
<td>57.88</td>
<td>59.73</td>
</tr>
<tr>
<td>Sn</td>
<td>40.17</td>
<td>40.27</td>
</tr>
<tr>
<td>Total</td>
<td>98.05</td>
<td>100.00</td>
</tr>
</tbody>
</table>

(1) Jeffrey mine, Asbestos, Les Sources RCM, Estrie, Quebec, Canada; average electron microprobe analysis; corresponds to Ni$_{2.98}$Sn$_{1.02}$.  
(2) Ni$_3$Sn.

**Occurrence:** In a rodingite dike in an asbestos deposit.

**Association:** Chromite, diopside, grossular, heazlewoodite, shandite.

**Distribution:** From the Jeffrey mine, Asbestos, Les Sources RCM, Estrie (until recently, Shipton Township, Richmond County), Quebec, Canada.

**Name:** For the chemical symbols of the essential components nickel, Ni, and tin, Sn.

**Type Material:** Canadian Museum of Nature, Ottawa, Ontario (CMNMC 86097) and the Natural History Museum, London, England (BM 2010,121).