Sederholmite

Crystal Data: Hexagonal. Point Group: 6/m 2/m 2/m. As grains in clausthalite.


Cell Data: Space Group: P6₃/mmc. a = 3.624  c = 5.288  Z = 2

X-ray Powder Pattern: Kuusamo, Finland.
2.70 (100), 2.015 (80), 1.806 (60), 1.535 (40), 1.50 (40), 1.348 (30), 1.155 (30)

Chemistry:

<table>
<thead>
<tr>
<th></th>
<th>(1)</th>
<th>(2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ni</td>
<td>36.8</td>
<td>42.65</td>
</tr>
<tr>
<td>Co</td>
<td>1.9</td>
<td></td>
</tr>
<tr>
<td>Se</td>
<td>61.3</td>
<td>57.35</td>
</tr>
<tr>
<td>Total</td>
<td>100.0</td>
<td>100.00</td>
</tr>
</tbody>
</table>

(1) Kuusamo, Finland; by X-ray fluorescence. (2) NiSe.

Mineral Group: Nickeline group.

Occurrence: In calcite veins, in sills of albite diabase in schist, associated with low-grade uranium mineralization.

Association: Wilkmanite, penroseite, clausthalite, calcite.

Distribution: From Kuusamo, northeastern Finland [TL].

Name: In honor of Jakob Johannes Sederholm (1863–1934), former Director of the Geological Survey of Finland.

Type Material: n.d.