Indite

Crystal Data: Cubic. Point Group: 4/m 3 2/m. Massive, as grains, to 0.5 mm.


Cell Data: Space Group: Fd3m. a = 10.618(3) Z = 8

X-ray Powder Pattern: Dzhalinda deposit, Russia.
3.20 (100), 1.877 (90), 1.085 (80), 2.05 (70), 1.028 (70), 3.76 (50), 1.384 (50)

Chemistry:

<table>
<thead>
<tr>
<th></th>
<th>(1)</th>
<th>(2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fe</td>
<td>8.84</td>
<td>13.50</td>
</tr>
<tr>
<td>In</td>
<td>59.3</td>
<td>55.50</td>
</tr>
<tr>
<td>S</td>
<td>31.85</td>
<td>31.00</td>
</tr>
<tr>
<td>Total</td>
<td>99.99</td>
<td>100.00</td>
</tr>
</tbody>
</table>

(1) Dzhalinda deposit, Russia; by microspectrographic analysis, corresponding to Fe$_{0.64}$In$_{2.08}$S$_{4.00}$.
(2) FeIn$_2$S$_4$.

Mineral Group: Linnaeite group.

Occurrence: Of primary hydrothermal origin, replacing botryoidal cassiterite.

Association: Cassiterite, dzhalindite.

Distribution: In the Dzhalinda deposit, Little Khingan Ridge, Far Eastern Region, Russia [TL].

Name: For the indium in its composition.

Type Material: Mining Institute, St. Petersburg, 106a/1; A.E. Fersman Mineralogical Museum, Academy of Sciences, Moscow, Russia, 62579.