Crystal Data: Cubic. Point Group: 4/m 3 2/m. Polycrystalline globules, to 2 mm; exsolved from yixunite.


R: (400) 65.4, (420) 51.4, (440) 49.3, (460) 49.0, (480) 49.9, (500) 52.0, (520) 55.0, (540) 58.5, (560) 62.5, (580) 66.5, (600) 70.2, (620) 74.5, (640) 77.7, (660) 81.5, (680) 84.2, (700) 86.9

Cell Data: Space Group: Fm3m. a = 6.363(4) Z = 4

X-ray Powder Pattern: Near Damiao village, China.
2.25 (100), 1.299 (80), 1.006 (70), 1.92 (60), 1.59 (60), 1.125 (60), 3.67 (50)

Chemistry:

<table>
<thead>
<tr>
<th></th>
<th>(1)</th>
<th>(2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pt</td>
<td>45.6</td>
<td>45.93</td>
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<tr>
<td>In</td>
<td>53.5</td>
<td>54.07</td>
</tr>
<tr>
<td>Total</td>
<td>99.1</td>
<td>100.00</td>
</tr>
</tbody>
</table>

(1) Near Damiao village, China; by electron microprobe, average of nine analyses. (2) PtIn$_2$.

Occurrence: In a contact metasomatic Co–Cu–Pt-bearing vein in garnet-amphibole pyroxenite in contact with anorthosite and granite.

Association: Moncheite, sperrylite, cooperite, yixunite, cobaltian malanite, bornite, chalcopyrite, carrolite, magnetite.

Distribution: From near Damiao village and the Yixun River, about 270 km north of Beijing, Hebei Province, China [TL].

Name: For its occurrence near the village of Damiao, China.

Type Material: n.d.