Ganitite

Crystal Data: Cubic. Point Group: $\overline{4}3m$. In irregular aggregates, to 0.15 mm.


R: (407) 11.08, (435) 12.31, (546) 12.73, (591) 12.92, (621) 12.96, (647) 13.27

Cell Data: Space Group: $P\overline{4}3m$(synthetic, ICDD 11-10). $a = 5.825(1)$ Z = 4

X-ray Powder Pattern: Ganitite area, China. 3.37 (100), 2.057 (90), 1.756 (80), 2.91 (70), 2.272 (50), 1.334 (50), 1.188 (50)

Chemistry:

<table>
<thead>
<tr>
<th></th>
<th>(1)</th>
<th>(2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bi</td>
<td>78.98</td>
<td>78.57</td>
</tr>
<tr>
<td>F</td>
<td>20.40</td>
<td>21.43</td>
</tr>
<tr>
<td>Total</td>
<td>99.38</td>
<td>100.00</td>
</tr>
</tbody>
</table>

(1) Ganan area, China; by electron microprobe, corresponding to Bi$_{1.00}$F$_{2.84}$. (2) BiF$_3$.

Occurrence: In wolframite-bearing quartz veins.

Association: Bismuth, bismuthinite, pyrite, chalcopyrite.

Distribution: In the Ganan area, Laikeng district, southern Jiangxi Province, China.

Name: Presumably for its occurrence in the Ganan area, China.

Type Material: National Museum of Geology, Beijing, China.