Pintadoite  

\[ \text{Ca}_2\text{V}^{5+}_2\text{O}_7\cdot9\text{H}_2\text{O} \]

Crystal Data: n.d.  
Point Group: n.d.  
As crusts and stains.

Physical Properties: Hardness = n.d.  
D(meas.) = n.d.  
D(calc.) = n.d.  
Slowly soluble in H\(_2\)O; on evaporation yielding twinned lathlike crystals.

Optical Properties: Semitransparent.  
Color: Light to dark green.  
Optical Class: n.d.; moderate to high birefringence.  
Pleochroism: Slight; in yellow-greens.  
\(n = \text{n.d.}\)

Cell Data:  
Space Group: n.d.  
Z = n.d.

X-ray Powder Pattern: n.d.

Chemistry:

<table>
<thead>
<tr>
<th></th>
<th>(1)</th>
<th>(2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>V(_2)O(_5)</td>
<td>42.4</td>
<td>39.87</td>
</tr>
<tr>
<td>CaO</td>
<td>22.6</td>
<td>24.59</td>
</tr>
<tr>
<td>H(_2)O</td>
<td>35.0</td>
<td>35.54</td>
</tr>
<tr>
<td>Total</td>
<td>[100.0]</td>
<td>100.00</td>
</tr>
</tbody>
</table>

(1) Frisco No. 2 claim, Utah, USA; recalculated to 100% after deduction of gypsum and insoluble material. (2) \(\text{Ca}_2\text{V}^{5+}_2\text{O}_7\cdot9\text{H}_2\text{O}\).

Occurrence: As an efflorescence on sandstone in protected outcrops.

Association: Gypsum, quartz.

Distribution: In the USA, from the Frisco No. 2 and Ed Whitney claims, about 30 km north of Monticello, Pintado Canyon, San Juan Co., Utah; in the Coffins prospect, McElmo Creek area, Montezuma Co., and the Jo Dandy Hill mines, Uravan district, Montrose Co., Colorado.

Name: For Pintado Canyon, Utah, USA, where the mineral occurs.

Type Material: Harvard University, Cambridge, Massachusetts, 98962; National Museum of Natural History, Washington, D.C., USA, R5714, 93657.