Nekoite

Crystal Data: Triclinic. Point Group: 1. Crystals fine, slender needles, to 5 mm, elongated || [001]. Twinning: Repeated, lamellae || {010} cleavage.

Physical Properties: Cleavage: Distinct on {010}. Hardness = n.d. D(meas.) = 2.21–2.24 D(calc.) = 2.21


Cell Data: Space Group: P1. a = 7.558(3) b = 9.793(5) c = 7.339(5) α = 111.77(7)° β = 103.50(5)° γ = 86.53(3)° Z = 1

X-ray Powder Pattern: Crestmore, California, USA. 9.25 (vs), 3.36 (vsb), 2.82 (vs), 2.47 (ms), 1.83 (ms), 1.90 (mw), 1.79 (mw)

Chemistry: 

<table>
<thead>
<tr>
<th></th>
<th>(1)</th>
<th>(2)</th>
<th>(3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SiO₂</td>
<td>55.</td>
<td>56.17</td>
<td>55.05</td>
</tr>
<tr>
<td>CaO</td>
<td>24.</td>
<td>26.10</td>
<td>25.69</td>
</tr>
<tr>
<td>H₂O</td>
<td>19.6</td>
<td>16.83</td>
<td>19.26</td>
</tr>
<tr>
<td>Total</td>
<td>99.</td>
<td>99.10</td>
<td>100.00</td>
</tr>
</tbody>
</table>

(1) Crestmore, California, USA. (2) Do.; probably slightly dehydrated. (3) Ca₃Si₆O₁₅·7H₂O.

Occurrence: In a contact metamorphosed limestone deposit (Crestmore, California, USA).

Association: Apophyllite (Crestmore, California, USA); heulandite, apophyllite (Caxias do Sul, Brazil).

Distribution: In the USA, from Crestmore, Riverside Co., California, and at Landsman’s Camp, Aravaipa district, Graham Co., Arizona. At Caxias do Sul, Rio Grande do Sul, Brazil. In the Kochbulak deposit, eastern Uzbekistan.

Name: An anagram of OKENite, for which it was originally mistaken.


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