Table 2. Powder X-ray diffraction data (*d* in Å) for dinilawiite; Only calculated lines with *I* > 2.5 are listed

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *I*obs | *d*obs |  | *d*calc | *I*calc | *hkl* |  | *I*obs | *d*obs |  | *d*calc | *I*calc | *hkl* |  | *I*obs | *d*obs |  | *d*calc | *I*calc | *hkl* |
| 83 | 10.53 |  | 10.3596 | 100 |  0 0 2 |  | 100 | 2.816 | ┌ | 2.8318 | 5 | $\overbar{2}$ 2 6 |  | 21 | 2.054 | ┌ | 2.0767 | 6 | $\overbar{8}$ 1 1 |
| 98 | 8.43 | ┌ | 8.4229 | 55 |  0 1 1 |  | │ | 2.8182 | 26 |  0 1 7 |  | │ | 2.0637 | 3 |  3 1 8 |
| └ | 8.3123 | 39 |  2 0 0 |  | │ | 2.8156 | 35 |  2 3 1 |  | │ | 2.0506 | 5 |  5 1 6 |
|  |  |  | 8.0624 | 11 |  1 1 0 |  | │ | 2.7943 | 29 |  4 2 2 |  | │ | 2.0489 | 8 |  2 2 8 |
|  |  |  | 7.6938 | 4 | $\overbar{2}$ 0 2 |  | │ | 2.7605 | 20 | $\overbar{5}$ 2 1 |  | └ | 2.0345 | 10 | $\overbar{7}$ 1 8 |
| 73 | 6.39 |  | 6.3095 | 61 | $\overbar{2}$ 1 1 |  | │ | 2.7529 | 3 | $\overbar{6}$ 1 3 |  | 9 | 1.9710 | ┌ | 1.9807 | 4 |  1 2 9 |
| 39 | 5.62 | ┌ | 5.7084 | 7 |  2 0 2 |  | │ | 2.7460 | 5 | $\overbar{5}$ 2 3 |  | └ | 1.9714 | 4 |  3 4 3 |
| │ | 5.5887 | 19 |  2 1 1 |  | └ | 2.7119 | 17 | $\overbar{2}$ 0 8 |  | 19 | 1.9213 | ┌ | 1.9393 | 5 | $\overbar{2}$ 4 6 |
| └ | 5.5274 | 13 |  0 1 3 |  |  |  |  | 2.6044 | 3 | $\overbar{4}$ 2 6 |  | │ | 1.9283 | 4 | $\overbar{4}$ 2 10 |
| 18 | 5.18 |  | 5.1798 | 22 |  0 0 4 |  | 52 | 2.566 | ┌ | 2.5899 | 8 |  0 0 8 |  | │ | 1.9234 | 3 | $\overbar{8}$ 0 8 |
|  |  |  | 5.1333 | 4 | $\overbar{2}$ 0 4 |  | │ | 2.5677 | 9 |  2 3 3 |  | └ | 1.9159 | 6 | $\overbar{5}$ 4 1 |
| 25 | 4.78 |  | 4.7495 | 15 |  3 1 0 |  | │ | 2.5647 | 5 | $\overbar{3}$ 1 8 |  |  |  |  | 1.8897 | 3 | $\overbar{9}$ 1 4 |
|  |  |  | 4.2743 | 3 |  1 2 1 |  | │ | 2.5595 | 3 | $\overbar{5}$ 2 5 |  |  |  |  | 1.8792 | 4 |  7 3 0 |
|  |  |  | 4.2115 | 3 |  0 2 2 |  | │ | 2.5509 | 16 |  1 3 4 |  |  |  |  | 1.8614 | 3 | $\overbar{4}$ 4 6 |
| 37 | 4.09 | ┌ | 4.1685 | 4 |  2 1 3 |  | │ | 2.5425 | 8 |  6 1 1 |  | 39 | 1.8120 | ┌ | 1.8148 | 5 | $\overbar{1}$ 5 2 |
| │ | 4.0519 | 17 | $\overbar{3}$ 1 4 |  | └ | 2.5397 | 5 | $\overbar{3}$ 3 4 |  | │ | 1.8110 | 5 |  3 4 5 |
| └ | 4.0312 | 11 |  2 2 0 |  |  |  |  | 2.5193 | 3 | $\overbar{3}$ 2 7 |  | │ | 1.8044 | 11 | $\overbar{6}$ 4 2 |
| 33 | 3.907 | ┌ | 3.9061 | 11 |  2 0 4 |  | 28 | 2.406 | ┌ | 2.4028 | 12 | $\overbar{6}$ 2 4 |  | └ | 1.7958 | 5 | $\overbar{6}$ 1 11 |
| └ | 3.8786 | 21 | $\overbar{1} $2 3 |  | │ | 2.3974 | 13 |  5 1 4 |  |  |  |  | 1.7760 | 4 | $\overbar{8}$ 3 3 |
| 36 | 3.815 |  | 3.7815 | 43 | $\overbar{4}$ 1 3 |  | └ | 2.3699 | 7 | $\overbar{7}$ 1 4 |  | 57 | 1.7580 | ┌ | 1.7666 | 8 |  4 1 9 |
| 46 | 3.594 | ┌ | 3.6088 | 15 | $\overbar{3}$ 2 1 |  | 25 | 2.341 | ┌ | 2.3419 | 11 | $\overbar{5}$ 1 8 |  | │ | 1.7568 | 5 |  8 0 4 |
| │ | 3.5888 | 15 | $\overbar{2}$ 0 6 |  | │ | 2.3375 | 10 | $\overbar{1}$ 3 6 |  | │ | 1.7535 | 9 | $\overbar{1}$ 3 10 |
| │ | 3.5604 | 13 |  4 1 1 |  | └ | 2.3290 | 5 |  5 2 3 |  | │ | 1.7523 | 12 | $\overbar{3}$ 5 2 |
| └ | 3.5135 | 14 |  4 0 2 |  |  |  |  | 2.3048 | 3 |  0 4 0 |  | │ | 1.7495 | 8 | $\overbar{8}$ 3 5 |
| 31 | 3.450 | ┌ | 3.4532 | 3 |  0 0 6 |  | 21 | 2.271 | ┌ | 2.2863 | 6 | $\overbar{5}$ 2 7 |  | │ | 1.7435 | 3 | 2 2 10 |
| │ | 3.4435 | 4 |  0 2 4 |  | │ | 2.2793 | 5 | $\overbar{1}$ 4 1 |  | │ | 1.7405 | 4 | $\overbar{10}$ 0 4 |
| └ | 3.4297 | 33 | $\overbar{2}$ 2 4 |  | │ | 2.2702 | 5 |  6 1 3 |  | │ | 1.7363 | 5 | $\overbar{6}$ 3 9 |
| 12 | 3.280 |  | 3.2720 | 27 | $\overbar{4}$ 1 5 |  | │ | 2.2579 | 3 |  0 2 8 |  | │ | 1.7298 | 3 | $\overbar{5}$ 1 12 |
| 68 | 3.145 | ┌ | 3.1576 | 15 | $\overbar{1}$ 2 5 |  | └ | 2.2411 | 8 | $\overbar{6}$ 2 6 |  | │ | 1.7266 | 4 | 0 0 12 |
| │ | 3.1547 | 5 | $\overbar{4}$ 2 2 |  | 14 | 2.191 | ┌ | 2.1944 | 6 | $\overbar{1}$ 4 3 |  | └ | 1.7235 | 5 | $\overbar{10}$ 0 2 |
| └ | 3.1277 | 34 |  5 1 0 |  | │ | 2.1803 | 3 | $\overbar{2}$ 3 7 |  | 20 | 1.7009 | ┌ | 1.7142 | 3 | $\overbar{6}$ 4 6 |
|  |  |  | 3.0860 | 25 | $\overbar{5}$ 1 4 |  | └ | 2.1634 | 5 | $\overbar{8}$ 0 4 |  | │ | 1.7017 | 4 |  7 1 6 |
|  |  |  | 2.9801 | 5 |  2 2 4 |  | 25 | 2.105 | ┌ | 2.1230 | 3 | $\overbar{4}$ 0 10 |  | │ | 1.6991 | 5 |  3 5 2 |
| 37 | 2.940 |  | 2.9440 | 17 | $\overbar{1}$ 3 2 |  | │ | 2.1180 | 5 | $\overbar{8}$ 1 3 |  | │ | 1.6939 | 3 |  6 4 2 |
|  |  |  | 2.9168 | 5 |  1 2 5 |  | │ | 2.0921 | 4 | $\overbar{5}$ 3 6 |  | │ | 1.6722 | 6 | $\overbar{4}$ 2 12 |
| 50 | 2.861 | ┌ | 2.8985 | 16 |  2 0 6 |  | │ | 2.0867 | 4 | $\overbar{4}$ 3 7 |  | └ | 1.6713 | 3 |  9 2 1 |
| │ | 2.8597 | 23 |  1 3 2 |  | └ | 2.0852 | 6 |  3 2 7 |  | 23 | 1.6312 | ┌ | 1.6599 | 4 | $\overbar{3}$ 4 9 |
| └ | 2.8542 | 7 |  4 0 4 |  |  |  |  |  |  |  |  | │ | 1.6568 | 3 | $\overbar{2}$ 3 11 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  | │ | 1.6409 | 4 |  4 4 6 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  | │ | 1.6360 | 3 | $\overbar{8}$ 2 10 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  | └ | 1.6232 | 5 | $\overbar{3}$ 5 6 |