

Synthetic sodium-boldwoodite

| d-obs | I/Io | d-calc | h  | k | l | d-obs<br>(ICDD 29 - 1044) | I/Io |
|-------|------|--------|----|---|---|---------------------------|------|
|       |      |        |    |   |   | 6.92                      | 70   |
| 6.78  | 46   | 6.781  | 2  | 0 | 0 | 6.71                      | 100  |
| 6.46  | 57   | 6.464  | -1 | 0 | 1 | 6.37                      | 50   |
| 5.39  | 34   | 5.399  | 1  | 0 | 1 | 5.39                      | 60   |
| 4.73  | 59   | 4.731  | -1 | 1 | 1 | 4.70                      | 80   |
| 4.26  | 22   | 4.262  | 1  | 1 | 1 | 4.24                      | 50   |
|       |      |        |    |   |   | 3.68                      | 30   |
| 3.58  | 17   | 3.585  | -3 | 1 | 1 | 3.56                      | 50   |
| 3.47  | 72   | 3.471  | 0  | 2 | 0 | 3.49                      | 80   |
| 3.38  | 9    | 3.390  | 4  | 0 | 0 | 3.37                      | 80   |
| 3.36  | 7    | 3.363  | 1  | 2 | 0 |                           |      |
| 3.25  | 2    | 3.249  | 0  | 0 | 2 |                           |      |
| 3.089 | 36   | 3.090  | 2  | 2 | 0 | 3.10                      | 80   |
| 3.058 | 14   | 3.058  | -1 | 2 | 1 |                           |      |
| 2.941 | 100  | 2.942  | 0  | 1 | 2 |                           |      |
| 2.929 | 94   | 2.930  | -2 | 1 | 2 | 2.92                      | 100  |
| 2.517 | 5    | 2.516  | 2  | 1 | 2 |                           |      |
| 2.492 | 9    | 2.492  | -4 | 1 | 2 | 2.47                      | 30   |
| 2.426 | 4    | 2.425  | 4  | 2 | 0 | 2.43                      | 40   |
|       |      |        |    |   |   | 2.314                     | 20   |
| 2.272 | 6    | 2.273  | 1  | 2 | 2 | 2.267                     | 40   |
| 2.218 | 17   | 2.219  | -1 | 0 | 3 | 2.202                     | 60   |
| 2.179 | 23   | 2.179  | -1 | 3 | 1 |                           |      |
| 2.154 | 17   | 2.154  | -3 | 0 | 3 |                           |      |
| 2.126 | 8    | 2.127  | 1  | 3 | 1 |                           |      |
| 2.113 | 15   | 2.114  | -1 | 1 | 3 | 2.098                     | 30   |
| 2.058 | 10   | 2.057  | -3 | 1 | 3 |                           |      |
| 2.026 | 10   | 2.025  | -3 | 3 | 1 | 2.033                     | 30   |
| 1.980 | 9    | 1.980  | 1  | 1 | 3 | 1.979                     | 20   |
| 1.920 | 6    | 1.920  | -5 | 0 | 3 | 1.920                     | 70   |
| 1.884 | 46   | 1.885  | 0  | 3 | 2 |                           |      |
| 1.869 | 11   | 1.870  | -1 | 2 | 3 |                           |      |
| 1.831 | 12   | 1.830  | -3 | 2 | 3 | 1.828                     | 20   |
| 1.776 | 5    | 1.775  | 1  | 2 | 3 |                           |      |
| 1.756 | 9    | 1.757  | 2  | 3 | 2 | 1.755                     | 50   |
| 1.735 | 21   | 1.735  | 0  | 4 | 0 |                           |      |
| 1.679 | 10   | 1.680  | -5 | 2 | 3 | 1.693                     | 30   |
| 1.668 | 15   | 1.668  | -2 | 0 | 4 |                           |      |
| 1.653 | 5    | 1.652  | 1  | 4 | 1 |                           |      |
| 1.624 | 5    | 1.624  | 0  | 0 | 4 |                           |      |
| 1.616 | 7    | 1.616  | -4 | 0 | 4 | 1.617                     | 20   |
| 1.601 | 6    | 1.601  | -1 | 3 | 3 |                           |      |
| 1.577 | 3    | 1.577  | -3 | 3 | 3 | 1.573                     | 20   |
| 1.543 | 5    | 1.543  | 3  | 4 | 1 | 1.559                     | 20   |
|       |      |        |    |   |   | 1.515                     | 20   |
| 1.504 | 18   | 1.503  | -2 | 2 | 4 | 1.504                     | 40   |

|       |    |       |    |   |   |       |    |
|-------|----|-------|----|---|---|-------|----|
| 1.471 | 9  | 1.471 | 0  | 2 | 4 |       |    |
| 1.465 | 9  | 1.465 | -4 | 2 | 4 |       |    |
| 1.367 | 6  | 1.367 | -1 | 4 | 3 |       |    |
| 1.357 | 5  | 1.357 | -1 | 5 | 1 | 1.358 | 20 |
| 1.352 | 4  | 1.352 | 8  | 1 | 2 |       |    |
| 1.308 | 5  | 1.308 | -3 | 1 | 5 | 1.312 | 50 |
| 1.299 | 4  | 1.299 | -1 | 1 | 5 |       |    |
| 1.276 | 11 | 1.276 | 5  | 3 | 3 |       |    |
| 1.244 | 4  | 1.244 | -3 | 2 | 5 | 1.243 | 40 |
| 1.236 | 6  | 1.236 | 5  | 5 | 0 |       |    |
| 1.203 | 8  | 1.203 | -2 | 4 | 4 | 1.207 | 20 |
| 1.186 | 4  | 1.186 | 0  | 4 | 4 | 1.182 | 20 |
| 1.156 | 6  | 1.156 | -8 | 3 | 4 | 1.156 | 20 |
|       |    |       |    |   |   | 1.133 | 20 |
|       |    |       |    |   |   | 1.091 | 30 |