**Table S1**. Powder X-ray data (*d* in Å) for ebnerite. 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* |
| 7 | 9.31 | 9.2409 | 3 | 1 0 0 |  | 6 | 1.7744 | 1.7786 | 5 | 3 0 4 |
| **50** | **6.35** | 6.3398 | 47 | 1 0 1 |  | 10 | 1.7496 | 1.7464 | 10 | 4 2 0 |
| **84** | **4.629** | 4.6205 | 90 | 2 0 0 |  | **39** | **1.7154** | 1.7123 | 38 | 4 2 1 |
| **68** | **4.364** | 4.3570 | 72 | 0 0 2 |  |  |  | 1.6873 | 3 | 2 2 4 |
| **52** | **4.094** | 4.0821 | 42 | 2 0 1 |  | 19 | 1.6610 | 1.6599 | 6 | 1 3 4 |
|  |  | 3.9409 | 4 | 1 0 2 |  | 1.6565 | 3 | 4 1 3 |
| 4 | 3.500 | 3.4927 | 8 | 2 1 0 |  | 28 | 1.6286 | 1.6307 | 17 | 2 0 5 |
| 7 | 3.409 | 3.3747 | 3 | 1 1 2 |  | 1.6210 | 15 | 4 2 2 |
| 34 | 3.252 | 3.2420 | 49 | 2 1 1 |  | 28 | 1.5504 | 1.5594 | 18 | 1 2 5 |
| **100** | **3.179** | 3.1699 | 100 | 2 0 2 |  | 24 | 1.5351 | 1.5402 | 18 | 6 0 0 |
| 29 | 2.774 | 2.7710 | 20 | 1 0 3 |  | 1.5193 | 4 | 2 3 4 |
| **78** | **2.673** | 2.6676 | 93 | 2 2 0 |  | 12 | 1.4982 | 1.4967 | 14 | 4 2 3 |
| 19 | 2.561 | 2.5630 | 9 | 1 3 0 |  | 16 | 1.4533 | 1.4521 | 14 | 6 0 2 |
| 2.5508 | 14 | 2 2 1 |  | 22 | 1.4439 | 1.4412 | 20 | 3 1 5 |
| 15 | 2.514 | 2.5152 | 9 | 3 0 2 |  | 10 | 1.3940 | 1.4092 | 3 | 6 1 0 |
| 30 | 2.463 | 2.4591 | 37 | 2 0 3 |  | 1.3913 | 5 | 4 0 5 |
| 8 | 2.291 | 2.2751 | 14 | 2 2 2 |  | 7 | 1.3490 | 1.3462 | 9 | 4 3 3 |
| **45** | **2.239** | 2.2333 | 38 | 1 2 3 |  | 9 | 1.3378 | 1.3338 | 8 | 4 4 0 |
| 4 | 2.178 | 2.1785 | 7 | 0 0 4 |  | 7 | 1.3205 | 1.3201 | 3 | 3 5 0 |
| 10 | 2.125 | 2.1204 | 5 | 1 0 4 |  | 1.3185 | 3 | 2 5 3 |
| 3 | 2.052 | 2.0411 | 4 | 4 0 2 |  | 17 | 1.2773 | 1.2815 | 3 | 2 6 0 |
| 6 | 2.024 | 2.0168 | 5 | 1 1 4 |  | 1.2755 | 16 | 2 2 6 |
| 9 | 1.9688 | 1.9648 | 6 | 2 2 3 |  | 16 | 1.2692 | 1.2680 | 9 | 5 0 5 |
| 22 | 1.9240 | 1.9218 | 21 | 3 1 3 |  | 1.2634 | 3 | 5 3 2 |
|  |  | 1.9063 | 3 | 2 3 2 |  | 10 | 1.2328 | 1.2336 | 4 | 2 4 5 |
| 7 | 1.8528 | 1.8484 | 3 | 1 2 4 |  | 1.2294 | 7 | 2 6 2 |
| 13 | 1.8100 | 1.8081 | 11 | 4 0 3 |  | 9 | 1.2042 | 1.2019 | 12 | 1 5 5 |