

Table S1. The calculated powder patterns for mazorite. Lines with relative intensities below 2% are omitted.

| <i>I</i> [%] | <i>d</i> [Å] | <i>h</i> | <i>k</i> | <i>l</i> | <i>I</i> [%] | <i>d</i> [Å] | <i>h</i> | <i>k</i> | <i>l</i> |
|--------------|--------------|----------|----------|----------|--------------|--------------|----------|----------|----------|
| 13.3 | 4.7767 | 1 | 0 | 1 | 5.7 | 1.0872 | 5 | -3 | 5 |
| 15.6 | 3.5968 | 1 | 0 | 4 | 5.5 | 1.0700 | 5 | -1 | 0 |
| 100.0 | 3.2045 | 1 | -1 | 5 | 2.3 | 1.0682 | 3 | -3 | 15 |
| 82.5 | 2.8309 | 2 | -1 | 0 | 2.4 | 1.0682 | 3 | 0 | 15 |
| 4.0 | 2.4353 | 2 | -2 | 1 | 2.0 | 1.0111 | 4 | -1 | 14 |
| 6.3 | 2.3884 | 2 | 0 | 2 | 2.7 | 0.9994 | 4 | -2 | 15 |
| 10.0 | 2.3522 | 0 | 0 | 9 | 3.6 | 0.9933 | 5 | -2 | 10 |
| 13.7 | 2.2245 | 2 | -2 | 4 | 2.6 | 0.9549 | 3 | -1 | 19 |
| 6.6 | 2.2080 | 2 | -1 | 6 | 2.2 | 0.9436 | 6 | -3 | 0 |
| 36.5 | 2.1216 | 2 | 0 | 5 | 2.3 | 0.9191 | 3 | -2 | 20 |
| 20.9 | 1.9435 | 1 | 0 | 10 | 4.3 | 0.9052 | 6 | -2 | 5 |
| 3.7 | 1.8462 | 3 | -1 | 1 | 2.0 | 0.8898 | 5 | -5 | 10 |
| 12.7 | 1.8092 | 2 | -1 | 9 | 3.8 | 0.8622 | 6 | -5 | 5 |
| 3.5 | 1.7491 | 3 | -1 | 4 | 2.4 | 0.8619 | 4 | -3 | 19 |
| 23.8 | 1.6977 | 3 | -2 | 5 | 3.6 | 0.8526 | 5 | -1 | 15 |
| 13.0 | 1.6344 | 3 | 0 | 0 | 3.7 | 0.8526 | 5 | -4 | 15 |
| 7.9 | 1.6023 | 2 | -2 | 10 | 3.3 | 0.8489 | 6 | -4 | 10 |
| 3.7 | 1.4450 | 1 | -1 | 14 | 3.5 | 0.8421 | 2 | -1 | 24 |
| 11.2 | 1.4154 | 4 | -2 | 0 | 2.4 | 0.8353 | 4 | -1 | 20 |
| 13.4 | 1.3944 | 3 | -1 | 10 | 33 | 0.8172 | 6 | 0 | 0 |
| 2.2 | 1.3422 | 3 | -3 | 9 | 4.8 | 0.8131 | 6 | -1 | 10 |
| 9.8 | 1.2948 | 4 | -1 | 5 | 5.7 | 0.7919 | 7 | -4 | 5 |
| 8.7 | 1.2630 | 2 | -1 | 15 | 4.1 | 0.7916 | 5 | -2 | 19 |
| 4.1 | 1.2128 | 4 | -2 | 9 | 2.8 | 0.7901 | 6 | -2 | 14 |
| 3.9 | 1.1774 | 4 | -4 | 5 | 8.2 | 0.7851 | 7 | -2 | 0 |
| 2.8 | 1.1716 | 3 | -2 | 14 | 6.8 | 0.7844 | 6 | -3 | 15 |
| 5.7 | 1.1442 | 4 | -3 | 10 | 4.7 | 0.7762 | 3 | -3 | 24 |