

SUPPLEMENTARY INFORMATION

Characterization of Lone Pine, California, Tremolite Asbestos and Preparation of Research Material

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Comparison of XRD peaks between Lone Pine tremolite and ICDD Reference tremolite #00-013-0437.

| 2-theta | | Intensity | | d-spacing | | hkl |
|-----------|-------------|-----------|-------------|-----------|-------------|----------|
| Lone Pine | 00-013-0437 | Lone Pine | 00-013-0437 | Lone Pine | 00-013-0437 | |
| 9.819 | 9.842 | 16 | 16 | 8.98 | 8.98 | (0 2 0) |
| 10.52 | 10.548 | 100 | 100 | 8.38 | 8.38 | (1 1 0) |
| 17.422 | 17.478 | 16 | 16 | 5.07 | 5.07 | (1 3 0) |
| 18.197 | 18.202 | 10 | 10 | 4.87 | 4.87 | (-1 1 1) |
| 18.642 | 18.626 | 20 | 20 | 4.76 | 4.76 | (2 0 0) |
| 19.678 | 19.668 | 20 | 20 | 4.51 | 4.51 | (0 4 0) |
| 21.119 | 21.136 | 35 | 35 | 4.2 | 4.2 | (2 2 0) |
| 22.957 | 22.962 | 16 | 16 | 3.87 | 3.87 | (-1 3 1) |
| 26.361 | 26.378 | 40 | 40 | 3.376 | 3.376 | (0 4 1) |
| 27.239 | 27.267 | 75 | 75 | 3.268 | 3.268 | (2 4 0) |
| 28.579 | 28.578 | 100 | 100 | 3.121 | 3.121 | (3 1 0) |
| 29.441 | 29.475 | 10 | 10 | 3.028 | 3.028 | (-3 1 1) |
| 30.419 | 30.399 | 40 | 40 | 2.938 | 2.938 | (-1 5 1) |
| 31.899 | 31.878 | 45 | 45 | 2.805 | 2.805 | (3 3 0) |
| 32.8 | 32.778 | 16 | 16 | 2.73 | 2.73 | (-3 3 1) |
| 33.1 | 33.09 | 90 | 90 | 2.705 | 2.705 | (1 5 1) |
| 34.564 | 34.577 | 30 | 30 | 2.592 | 2.592 | (0 6 1) |
| 35.42 | 35.466 | 40 | 40 | 2.529 | 2.529 | (-2 0 2) |
| 37.283 | 37.329 | 8 | 8 | 2.407 | 2.407 | (-2 6 1) |
| 37.722 | 37.768 | 30 | 30 | 2.38 | 2.38 | (3 5 0) |
| 38.519 | 38.524 | 30 | 30 | 2.335 | 2.335 | (-3 5 1) |

| | | | | | | |
|--------|--------|----|----|-------|-------|----------|
| 38.72 | 38.766 | 40 | 40 | 2.321 | 2.321 | (-4 2 1) |
| 39.18 | 39.17 | 12 | 12 | 2.298 | 2.298 | (4 2 0) |
| 39.58 | 39.618 | 16 | 16 | 2.273 | 2.273 | (-3 1 2) |
| 40.801 | 40.875 | 6 | 6 | 2.206 | 2.206 | (-2 4 2) |
| 41.421 | 41.364 | 6 | 6 | 2.181 | 2.181 | (1 7 1) |
| 41.76 | 41.725 | 35 | 35 | 2.163 | 2.163 | (1 3 2) |
| 44.265 | 44.324 | 18 | 18 | 2.042 | 2.042 | (2 0 2) |
| 44.997 | 44.95 | 45 | 45 | 2.015 | 2.015 | (-4 0 2) |
| | 45.258 | | 16 | | 2.002 | (3 7 0) |
| 46.183 | 46.209 | 6 | 6 | 1.963 | 1.963 | (-2 8 1) |
| | 47.072 | | 6 | | 1.929 | (4 2 1) |
| 48.199 | 48.05 | 50 | 50 | 1.892 | 1.892 | (5 1 0) |
| 48.8 | 48.818 | 16 | 16 | 1.864 | 1.864 | (4 6 0) |
| 50.278 | 50.256 | 16 | 16 | 1.814 | 1.814 | (5 3 0) |
| 52.341 | 52.358 | 6 | 6 | 1.746 | 1.746 | (-5 1 2) |
| 54.478 | 54.372 | 10 | 10 | 1.686 | 1.686 | (2 6 2) |
| 55.719 | 55.696 | 40 | 40 | 1.649 | 1.649 | (4 6 1) |
| | 56.066 | | 10 | | 1.639 | (-6 0 1) |