

TABLE 2  
Lawsonite-anorthite experiments

| Starting material:<br>Anorthite-lawsonite<br>1:1 molecular ratio |                    |                |                   | Starting material:<br>Anorthite-lawsonite-quartz<br>1:1:4 molecular ratio |                    |                |              | Starting material:<br>Anorthite-lawsonite-CaCl <sub>2</sub><br>1:1 molecular ratio, 0.2 M solution |                    |                |                   |
|------------------------------------------------------------------|--------------------|----------------|-------------------|---------------------------------------------------------------------------|--------------------|----------------|--------------|----------------------------------------------------------------------------------------------------|--------------------|----------------|-------------------|
| Tem-<br>perature<br>(°C)                                         | Pressure<br>(bars) | Time<br>(days) | Product           | Tem-<br>perature<br>(°C)                                                  | Pressure<br>(bars) | Time<br>(days) | Product      | Tem-<br>perature<br>(°C)                                                                           | Pressure<br>(bars) | Time<br>(days) | Product           |
| 515                                                              | 2900               | 11             | An (Law)          | 515                                                                       | 2900               | 11             | An-Qtz (Law) | 400                                                                                                | 6950               | 63             | No change         |
| 450                                                              | 7800               | 70             | An (Law, Zoisite) | 450                                                                       | 7800               | 70             | An-Qtz (Law) | 450                                                                                                | 6900               | 76             | An (Law, Zoisite) |
| 450                                                              | 7800               | 35             | Law (An)          | 450                                                                       | 7800               | 35             | Law (An-Qtz) | 450                                                                                                | 6210               | 60             | An (Law, Zoisite) |
| 400                                                              | 6950               | 68             | Law (An)          | 400                                                                       | 6950               | 66             | Law (An-Qtz) | 350                                                                                                | 6210               | 60             | Law (An)          |
| 400                                                              | 6950               | 66             | Law (An)          | 400                                                                       | 6950               | 30             | Law (An-Qtz) | 425                                                                                                | 6900               | 60             | An (Law)          |
| 400                                                              | 6950               | 30             | Law (An)          | 350                                                                       | 6100               | 31             | Law (An-Qtz) | 400                                                                                                | 6210               | 60             | Law (An)          |
| 350                                                              | 6100               | 31             | Law (An)          | 400                                                                       | 5710               | 31             | An-Qtz (Law) | 400                                                                                                | 5170               | 20             | An (Law)          |
| 450                                                              | 6900               | 76             | An (Law, Zoisite) | 353                                                                       | 5710               | 31             | No change    |                                                                                                    |                    |                |                   |
| 450                                                              | 6210               | 60             | An                | 450                                                                       | 4140               | 32             | An-Qtz       |                                                                                                    |                    |                |                   |
| 350                                                              | 6210               | 60             | Law (An)          | 300                                                                       | 4140               | 64             | No change    |                                                                                                    |                    |                |                   |
| 375                                                              | 5530               | 58             | Law (An)          | 300                                                                       | 4140               | 31             | No change    |                                                                                                    |                    |                |                   |
| 400                                                              | 5170               | 31             | An (Law)          | 441                                                                       | 2070               | 33             | An-Qtz (Law) |                                                                                                    |                    |                |                   |
| 353                                                              | 5170               | 31             | No change         |                                                                           |                    |                |              |                                                                                                    |                    |                |                   |
| 450                                                              | 4140               | 32             | An                |                                                                           |                    |                |              |                                                                                                    |                    |                |                   |
| 300                                                              | 4140               | 64             | No change         |                                                                           |                    |                |              |                                                                                                    |                    |                |                   |
| 300                                                              | 4140               | 31             | No change         |                                                                           |                    |                |              |                                                                                                    |                    |                |                   |
| 441                                                              | 2070               | 33             | An                |                                                                           |                    |                |              |                                                                                                    |                    |                |                   |

NOTE: The mineral names appearing in parentheses in the Products columns were detected in minor amount in the product.  
An = anorthite; Law = lawsonite; Qtz = quartz.