Table SII. Chemical compositions of LiFePO4 selected samples.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Item** | **Sample** | | | | | | | | | |
| **Chemical Composition** | **2:1 300°C** | **2:1 500°C** | **2:1 800°C** | **4:1 300°C** | **4:1 500°C** | **4:1 800°C** | **6:1 300°C** | **6:1 500°C** | **6:1 800°C** | **MTI** |
| Fe (wt%) | 26.6 | 42.03 | 31.86 | 27.00 | 30.9 | 34.2 | 20.64 | 30.47 | 32.2 | 31.4 |
| Li (wt%) | 3.34 | 4.00 | 4.14 | 3.35 | 3.62 | 4.24 | 4.04 | 4.04 | 4.2 | 4.2 |
| P (wt%) | 14.94 | 24.00 | 17.98 | 14.4 | 16.00 | 17.6 | 12.97 | 17.78 | 18.36 | 18.02 |
| C (wt%) | 11.26 | 9.1 | 3.13 | 10.08 | 10.36 | 8.14 | 0.87 | 0.26 | 0.09 | 1.87 |
| H (wt%) | 0.55 | 0.23 | 0.00 | 0.41 | 0.31 | 0.01 | 0.09 | 0.00 | 0.00 | 0.00 |
| N (wt%) | 2.03 | 0.99 | 0.15 | 1.78 | 1.38 | 0.00 | 0.39 | 0.13 | 0.00 | 0.00 |
| Li/Fe | 0.12 | 0.10 | 0.13 | 0.12 | 0.12 | 0.12 | 0.20 | 0.13 | 0.13 | 0.13 |
| Li/P | 0.22 | 0.17 | 0.23 | 0.23 | 0.23 | 0.24 | 0.31 | 0.23 | 0.23 | 0.23 |
| P/Fe | 0.56 | 0.57 | 0.56 | 0.53 | 0.52 | 0.51 | 0.63 | 0.58 | 0.57 | 0.57 |