**Table S2. Accuracy and precision of ICP-AES method**

|  |  |
| --- | --- |
| **Element** | **Certified reference material** |
| **IAEA-336** | **GBW10015 (spinach)** | **GBW10014 (Cabbage)** |
| ***w*B/(μg/g)** | **RSD/%** | **RE/%** | ***w*B/(μg/g)** | **RSD/%** | **RE/%** | ***w*B/(μg/g)** | **RSD/%** | **RE/%** |
| **Measured value** | **Certified value** | **Measured value** | **Certified value** | **Measured value** | **Certified value** |
| Al | 681.17 | 675 | 3.46 | 0.91 | 622.5 | 610 | 4.3 | 2.04 | 172 | 166 | 2.34 | 3.59 |
| Ba | 6.17 | 6.39 | 6.24 | -3.47 | 9.07 | 9 | 7.11 | 0.76 | 12.2 | 12 | 5.29 | 1.94 |
| Ca | 2698.4 | 2823.1 | 2.45 | -4.42 | 6624 | 6600 | 2.01 | 0.37 | 7077 | 7000 | 5.27 | 1.11 |
| Fe | 426.3 | 427.8 | 2.19 | -0.35 | 538 | 540 | 2.84 | -0.44 | 96.6 | 98 | 6.25 | -1.45 |
| Mg | 590 | 583.5 | 2.23 | 1.11 | 5542 | 5520 | 2.74 | 0.39 | 2436 | 2410 | 6.27 | 1.09 |
| Mn | 67.3 | 63.4 | 2.65 | 6.15 | 42.75 | 41 | 1.75 | 4.27 | 18 | 18.7 | 1.79 | -3.62 |
| P | 600.4 | 608.1 | 4.03 | -1.27 | 3581 | 3600 | 3.38 | -0.51 | 4587 | 4600 | 6.25 | -0.28 |
| S | 175.8 | 167.6 | 6.36 | 4.89 | 4342 | 4500 | 7.18 | -3.52 | 7293 | 7200 | 2.85 | 1.29 |
| Ti | 49.7 | 50.1 | 7.88 | -0.72 | 30.38 | 28 | 8.01 | 8.52 | 9.26 | 9 | 4.55 | 2.87 |