**Table S2** Soil environmental quality standard value mg/kg

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Item | First-level | Second level | | | Three-level |
| Cd ≤ | 0.2 | 0.3 | 0.6 | 1.0 | 1.5 |
| Cu ≤ | 35 | 50 | 80 | 100 | 400 |
| Ni ≤ | 30 | 40 | 50 | 60 | 200 |
| Pb ≤ | 35 | 250 | 300 | 350 | 500 |
| Zn ≤ | 100 | 200 | 250 | 300 | 500 |
| Cr ≤ | 90 | 150 | 200 | 250 | 300 |
| As ≤ | 15 | 25 | 30 | 35 | 40 |
| Hg ≤ | 0.15 | 0.3 | 0.5 | 1 | 1.5 |

Note: The primary standard is the limit value of protecting the natural ecology of the region and maintaining the soil environmental quality of the natural background; the secondary standard is the limit value of the soil to ensure agricultural production and maintain human health; the tertiary standard is the critical value of the soil to ensure agricultural forestry production and normal plant growth.