**Supplementary Table S1.** Mineral composition (mg/L) of tea samples prepared in different steeping times

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sample | Time | Al | Ca | Cu | Fe | K | Mg | Mn | Na | Zn |
| BC | 2 | 3.73 b | 4.16 h | 0.05 d-f | 0.05 k | 210.05 ab | 9.75 c-e | 1.47 h | 5.96 a | 0.36 a |
| BC | 5 | 4.17 ab | 4.52 gh | 0.05 c-f | 0.06 k | 257.60 ab | 12.07 b-e | 2.02 gh | 5.62 ab | 0.33 ab |
| BC | 10 | 4.33 ab | 4.74 f-h | 0.06 c-f | 0.06 jk | 280.20 ab | 14.63 a-e | 2.72 e-h | 5.24 a-c | 0.32 a-c |
| BC | 20 | 4.43 ab | 5.03 e-h | 0.05 c-f | 0.07 I-k | 295.06 ab | 18.16 a-e | 3.12 e-h | 5.14 a-d | 0.31 a-c |
| BC | 30 | 4.51 ab | 5.19 e-h | 0.04 ef | 0.08 h-k | 318.52 ab | 21.76 a-c | 3.31 d-h | 4.71 a-e | 0.30 a-c |
| BC | 45 | 4.64 ab | 5.51 c-h | 0.04 ef | 0.09 g-k | 340.82 a | 24.46 ab | 3.63 c-h | 4.67 a-e | 0.30 a-c |
| BC | 60 | 4.83 ab | 5.63 c-h | 0.06 c-f | 0.11 e-k | 350.22 a | 27.02 a | 3.86 b-h | 4.23 a-f | 0.30 a-c |
| BT | 2 | 7.85 ab | 5.3 d-h | 0.06 a-f | 0.10 f-k | 189.21 ab | 7.09 de | 3.31 d-h | 3.97 a-g | 0.28 a-c |
| BT | 5 | 8.75 ab | 5.67 c-h | 0.06 a-f | 0.12 d-k | 219.05 ab | 9.62 c-e | 4.42 a-h | 3.9 a-g | 0.28 a-c |
| BT | 10 | 9.47 ab | 6.16 a-h | 0.06 a-f | 0.14 b-i | 244.67 ab | 12.46 b-e | 5.77 a-h | 3.69 a-g | 0.27 a-c |
| BT | 20 | 10.06 ab | 6.41 a-g | 0.05 c-f | 0.17 a-g | 264.70 ab | 14.63 a-e | 7.29 a-g | 3.35 a-g | 0.26 a-c |
| BT | 30 | 10.54 ab | 6.68 a-f | 0.05 d-f | 0.19 a-d | 289.37 ab | 16.82 a-e | 7.96 a-f | 3.32 a-g | 0.26 a-c |
| BT | 45 | 10.94 ab | 6.88 a-e | 0.05 c-f | 0.21 ab | 311.68 ab | 18.43 a-e | 8.84 a-d | 3.17 b-g | 0.26 a-c |
| BT | 60 | 11.22 ab | 7.03 a-e | 0.06 b-f | 0.23 a | 328.72 a | 20.82 a-d | 9.34 ab | 3.13 b-g | 0.25 a-c |
| GC | 2 | 3.77 b | 6.22 a-g | 0.06 a-f | 0.11 d-k | 116.35 b | 5.07 e | 2.49 f-h | 3.07 b-g | 0.25 a-c |
| GC | 5 | 5.22 ab | 6.5 a-g | 0.09 a-f | 0.13 c-k | 146.94 ab | 6.97 e | 3.52 c-h | 2.95 b-g | 0.24 a-c |
| GC | 10 | 6.66 ab | 6.91 a-e | 0.09 a-e | 0.15 a-h | 168.00 ab | 9.28 c-e | 4.71 a-h | 2.94 b-g | 0.24 a-c |
| GC | 20 | 8.71 ab | 7.29 a-d | 0.11 a-c | 0.17 a-f | 185.97 ab | 12.00 b-e | 6.14 a-h | 2.85 c-g | 0.23 a-c |
| GC | 30 | 9.87 ab | 7.55 a-c | 0.1 a-d | 0.19 a-d | 208.17 ab | 13.81 a-e | 6.93 a-h | 2.74 c-g | 0.23 a-c |
| GC | 45 | 10.43 ab | 7.81 ab | 0.12 ab | 0.20 a-c | 224.47 ab | 15.50 a-e | 7.50 a-g | 2.56 c-g | 0.23 a-c |
| GC | 60 | 10.56 ab | 7.89 a | 0.12 a | 0.22 ab | 238.68 ab | 16.72 a-e | 8.20 a-e | 2.43 d-g | 0.23 a-c |
| GT | 2 | 7.04 ab | 5.00 e-h | 0.03 f | 0.11 d-k | 165.50 ab | 7.85 de | 3.72 b-h | 2.39 e-g | 0.20 a-c |
| GT | 5 | 9.64 ab | 5.29 d-h | 0.03 ef | 0.13 c-k | 190.55 ab | 9.37 c-e | 4.41 a-h | 2.34 e-g | 0.20 a-c |
| GT | 10 | 11.07 ab | 5.53 c-h | 0.04 ef | 0.14 b-i | 211.05 ab | 12.23 b-e | 5.71 a-h | 2.17 e-g | 0.19 a-c |
| GT | 20 | 11.99 ab | 5.80 b-h | 0.05 d-f | 0.16 a-h | 232.72 ab | 15.02 a-e | 7.02 a-h | 2.15 e-g | 0.19 a-c |
| GT | 30 | 12.72 ab | 6.06 a-h | 0.06 c-f | 0.17 a-g | 244.80 ab | 16.47 a-e | 8.14 a-e | 1.89 fg | 0.16 bc |
| GT | 45 | 13.41 ab | 6.21 a-h | 0.07 a-f | 0.18 a-e | 262.78 ab | 17.88 a-e | 8.98 a-c | 1.78 fg | 0.16 bc |
| GT | 60 | 13.57 a | 6.33 a-g | 0.09 a-e | 0.20 a-c | 276.10 ab | 18.86 a-e | 9.53 a | 1.46 g | 0.15 c |

BC = black Ceylon, BT = black Turkish, GC = green Ceylon, GT = green Turkish

Values in the same column with the same letter are not significantly (*p* < .05) different