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| Items                    | SCP       | LCP       | TRT 1     | TRT 2     | SEM  | SCP vs LCP | SCP vs TRT1 | SCP vs TRT2 | LCP vs TRT2 |
|--------------------------|-----------|-----------|-----------|-----------|------|------------|-------------|-------------|-------------|
| pH value                 | 7.76      | 7.59      | 7.58      | 7.68      | 0.04 | 0.0010     | 0.0008      | 0.0035      | 0.5567      |
| Breast muscle color      |           |           |           |           |      |            |             |             |             |
| Lightness(L*)            | 56.0<br>0 | 57.0<br>0 | 57.8<br>6 | 57.6<br>4 | 1.18 | 0.5496     | 0.2731      | 0.4570      | 0.8819      |
| Redness(a*)              | 12.1<br>8 | 12.5<br>8 | 11.5<br>5 | 12.6<br>1 | 0.42 | 0.5828     | 0.3948      | 0.2940      | 0.6072      |
| Yellowness(b*)           | 12.1<br>2 | 10.7<br>8 | 13.2<br>8 | 12.2<br>4 | 1.11 | 0.3609     | 0.4320      | 0.6516      | 0.1804      |
| WHC, %                   | 52.0<br>3 | 53.8<br>8 | 54.5<br>6 | 53.7<br>5 | 3.44 | 0.7154     | 0.6177      | 0.8959      | 0.8148      |
| Cooking loss, %          | 20.0<br>3 | 18.5<br>6 | 20.5<br>8 | 20.5<br>0 | 1.55 | 0.5840     | 0.8386      | 0.8732      | 0.6968      |
| Drip loss, %             |           |           |           |           |      |            |             |             |             |
| d 1                      | 3.03      | 3.70      | 3.16      | 3.54      | 0.71 | 0.4169     | 0.5075      | 0.5660      | 0.1750      |
| d 3                      | 6.94      | 6.52      | 6.21      | 6.42      | 0.37 | 0.5496     | 0.2731      | 0.4570      | 0.8819      |
| d 5                      | 13.4<br>0 | 13.1<br>3 | 13.7<br>1 | 12.7<br>8 | 0.66 | 0.5828     | 0.3948      | 0.2940      | 0.6072      |
| d 7                      | 17.0<br>5 | 17.9<br>4 | 16.6<br>7 | 16.8<br>1 | 0.45 | 0.3609     | 0.4320      | 0.6516      | 0.1804      |
| Relative organ weight, % |           |           |           |           |      |            |             |             |             |
| Breast muscle            | 17.7<br>9 | 18.5<br>6 | 19.1<br>1 | 18.7<br>3 | 0.51 | 0.1990     | 0.1920      | 0.6871      | 0.0992      |
| Liver                    | 2.66      | 2.64      | 2.60      | 2.61      | 0.18 | 0.6474     | 0.7758      | 0.8002      | 0.8373      |
| Bursa of Fabricius       | 0.16      | 0.15      | 0.14      | 0.16      | 0.02 | 0.9990     | 0.4821      | 0.8598      | 0.8608      |
| Abdominal fat            | 0.86      | 0.93      | 1.18      | 1.11      | 0.24 | 0.3234     | 0.2798      | 0.4067      | 0.0797      |
| Spleen                   | 0.17      | 0.18      | 0.17      | 0.18      | 0.02 | 0.7269     | 0.8725      | 0.7220      | 0.4833      |
| Gizzard                  | 1.99      | 1.92      | 1.68      | 1.96      | 0.14 | 0.8825     | 0.1148      | 0.8489      | 0.7355      |

**Note:** SCP, standard crude protein; LCP, low crude protein; AJE, *Achyranthes Japonica* extract; TRT1, SCP + 0.025% AJE, TRT2, LCP + 0.050% AJE. SEM, standard error of the mean. WHC, water holding capacity.

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