

Table S2. Chemical composition¹ of the conventional chickens' feed.

| | Starter (0 – 10 days) | | Grower (11 -24 days) | | Finisher 1 (25 – 39 days) | | Finisher 2 (40 days – slaughter) | |
|---------------------------------------|----------------------------------|---------------|---------------------------------|---------------|--------------------------------------|---------------|---|---------------|
| Metabolic Energy (kcal/kg) | 3000 | | 3100 | | 3200 | | 3200 | |
| Fibers (%) | 2.4 | | 2.4 | | 2.3 | | 2.2 | |
| Calcium (%) | 0.96 | | 0.87 | | 0.78 | | 0.75 | |
| Phosphorus (%) | 0.48 | | 0.44 | | 0.39 | | 0.38 | |
| Sodium (%) | 0.16-0.23 | | 0.16-0.23 | | 0.16-0.20 | | 0.16-0.20 | |
| Chloride (%) | 0.16-0.23 | | 0.16-0.23 | | 0.16-0.23 | | 0.16-0.23 | |
| Potassium (%) | 0.40-1.00 | | - | | - | | - | |
| Amino Acids | Total | Digest | Total | Digest | Total | Digest | Total | Digest |
| Lysine (%) | 1.44 | 1.28 | 1.29 | 1.15 | 1.15 | 1.02 | 1.08 | 0.96 |
| Methionine +Cysteine (%) | 1.08 | 0.95 | 0.99 | 0.87 | 0.90 | 0.80 | 0.85 | 0.75 |
| Methionine (%) | 0.56 | 0.51 | 0.51 | 0.47 | 0.47 | 0.43 | 0.44 | 0.40 |
| Threonine (%) | 0.97 | 0.86 | 0.88 | 0.77 | 0.78 | 0.68 | 0.73 | 0.64 |
| Valine (%) | 1.10 | 0.96 | 1.00 | 0.87 | 0.89 | 0.78 | 0.84 | 0.73 |
| Isoleukine (%) | 0.97 | 0.86 | 0.89 | 0.78 | 0.80 | 0.70 | 0.75 | 0.66 |
| Arginine (%) | 1.52 | 1.37 | 1.37 | 1.37 | 1.21 | 1.09 | 1.14 | 1.03 |
| Tryptophan (%) | 0.23 | 0.20 | 0.21 | 0.18 | 0.18 | 0.16 | 0.17 | 0.15 |
| Leucine (%) | 1.58 | 1.41 | 1.42 | 1.27 | 1.26 | 1.12 | 1.19 | 1.06 |

¹Chemical composition was noted according to feed formulation and NIR tests for verification