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| **Supplementary Table S1.** Composition of the basal diet used during the 6-week feeding trial of Pietrain\*(Landrace\*Duroc) pigs. |
| **Material (%)** | **Grower (20-50 kg)** |
| Corn | 35.06 |
| Corn DDGs | 25.00 |
| Wheat middlings | 20.00 |
| Soybean meal 44% | 11.75 |
| Animal fat 3/5 | 4.91 |
| L-Lysine HCl | 0.57 |
| L-Threonine | 0.11 |
| DL-Methionine | 0.13 |
| Trypotophan | 0.05 |
| Limestone / glass rock | 0.80 |
| Dicalcium phosphate | 0.89 |
| Salt | 0.33 |
| Vitamin/Mineral premix | 0.40 |
| **Calculated composition (unit)** |  |
| Metabolizable energy (MJ kg-1) | 12.977 |
| Net energy (MJ kg-1) | 9.720 |
| Total Calcium (%) | 0.72 |
| Total Phosphorus (%) | 0.68 |
| Available Phosphorus (%) | 0.37 |
| Digestible Phosphorus (%) | 0.27 |
| Crude Fibre (%) | 4.86 |
| ADF (%) | 6.69 |
| NDF (%) | 20.52 |
| CP (%) | 18.46 |
| T Lys (%) | 1.150 |
| D Lys (%) | 1.003 |
| D Thr (%) | 0.586 |
| D Met (%) | 0.387 |
| g DLys/MJ DE | 0.741 |
| For growing-finishing pigs, 1 kg of feed contains: Vitamin A: 5500 IU; Vitamin D3: 1100 IU; Vitamin E: 7 mg; Vitamin B1: 0.5 mg; Vitamin B2: 1.4 mg; Vitamin B12: 0.008 mg; Vitamin B6: 1.0 mg; Calcium pantothenate: 5.6 mg; Nicotinic acid: 8 mg; Biotin: 0,1 mg; Folic acid: 0,6 mg; Vitamin K3: 0.5 mg; Choline: 120 mg; Fe: 80 mg; Cu: 10 mg; Co: 0.4 mg; Zn: 100 mg; Mn: 40 mg; I: 0.5 mg; Se: 0.25 mg. |