

Table 3 Formulation and proximate composition of experimental diet

Ingredients	Percentage (%)
Cottonseed meal	20
Maize bran	12
Fish meal	45
Soybean meal	17
^a Soya oil	2
^b Carboxymethylcellulose	1
Iron sulphate	0.5
^c Premix (Vit-Min)	2.5
Proximate analyses	
Moisture (%)	88.5
Ash (%)	9.22
Crude lipid (%)	7.69
Carbohydrate (%)	13.76
Crude protein (%)	42.86
^d Brute Energy (MJ/100 g)	1.76
Protein/Energy (g/MJ)	24.35
Antinutrients	
^e Phytic acid	17.4
^e Gossypol	2.0

Note: ^a Songha ĩcenter (Republic of Benin); ^b SIGMA-Aldrich Chemie, Steinheim, Germany; ^c Drugstore, premix (vitamin-mineral) contains (%): Vitamin A 4,000,000 U.I; Vitamin D 800,000 U.I; Vitamin E 40,000 U.I; Vitamin K₃ 1,600 mg; Vitamin B₁ 4,000 mg; Vitamin B₂ 3,000 mg; Vitamin B₆ 3,800 mg; Vitamin B₁₂ 3 mg; Vitamin C 60,000 mg; Biotin 100 mg; Inositol 10,000 mg; Pantothenic acid 8,000 mg; Nicotinic acid 18,000 mg; Folic acid 800 mg; Cholin chloride 120,000 mg; Colbat carbonate 150 mg; Ferrous sulphate 8,000 mg; Potassium iodide 400 mg; Manganese oxide 6,000 mg; Cuivre 800 mg; Sodium selenite 40 mcg; Lysine 10,000 mg; Methionin 10,000 mg; Zinc sulphate 8,000 mg; ^dCalculated from nutrient content: 23.01 Kj/g protein; 38.07 Kj/g lipid and 17.15 Kj/g carbohydrates; ^e By calculation using value in Table 2