

Table 2 Proximate composition (% \pm S.E.) of ingredients used in feed formulation

Parameter (%)	Fishmeal	Groundnut oil cake	Rice bran	Tapioca flour
Moisture	7.96 \pm 0.12	8.67 \pm 0.17	11.96 \pm 0.19	12.33 \pm 0.03
Crude protein	60.73 \pm 0.27	41.92 \pm 0.14	9.56 \pm 0.04	3.51 \pm 0.02
Lipid	9.24 \pm 0.06	11.09 \pm 0.07	9.64 \pm 0.06	0.92 \pm 0.01
Ash	18.91 \pm 0.17	3.58 \pm 0.06	25.48 \pm 0.18	1.67 \pm 0.04
Crude fiber	0.36 \pm 0.03	6.40 \pm 0.05	30.80 \pm 0.12	3.50 \pm 0.06
Nitrogen-free extract	2.79	29.01	26.46	79.05
Gross energy (kJ/g)	16.65	17.79	10.05	14.30