

Table 1. Ingredient composition of experimental diets for Florida Pompano (*Trachinotus carolinus*).

Ingredient (g/100g)	Diet #1	Diet #2	Diet #3	Diet #4	Diet #5	Diet #6	Diet #7	Diet #8
Menhaden meal <sup>a</sup>	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wheat flour <sup>b</sup>	16.03	17.77	17.77	17.77	17.77	17.77	17.77	17.77
Poultry by-product meal <sup>c</sup>	18.52	36.12	36.12	36.12	36.12	36.12	36.12	36.12
Hydrolyzed soy <sup>d</sup>	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50
Soy protein concentrate <sup>e</sup>	5.96	5.96	5.96	5.96	5.96	5.96	5.96	5.96
Corn protein concentrate	8.22	8.22	8.22	8.22	8.22	8.22	8.22	8.22
Fish oil	9.11	8.31	0.00	0.00	0.00	0.00	0.00	0.00
Algal oil <sup>f</sup>	0.00	0.00	2.13	2.13	4.96	4.96	0.00	0.00
Flax oil	0.00	0.00	4.86	0.00	1.62	0.00	8.20	0.00
Canola oil	0.00	0.00	1.32	6.18	1.73	3.35	0.11	8.31
Lysine-HCL	1.86	2.27	2.27	2.27	2.27	2.27	2.27	2.27
Choline CL	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
DL - Methionine	0.67	0.77	0.77	0.77	0.77	0.77	0.77	0.77
Stay-C	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Dicalcium phosphate	2.12	3.10	3.10	3.10	3.10	3.10	3.10	3.10
Taurine	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Threonine	0.41	0.38	0.38	0.38	0.38	0.38	0.38	0.38
Vitamin premix ARS 702 <sup>g</sup>	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
Trace min premix ARS 1520 <sup>h</sup>	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Trace min premix F3	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20

<sup>a</sup>Menhaden Special Select, Omega Proteins Inc., Texas, 620 g/kg crude protein

<sup>b</sup>Manildra Milling, Kansas, 94 g/kg crude protein

<sup>c</sup>IDF Inc., California, 700 g/kg crude protein

<sup>d</sup>MrFeed Pro50FF, Menon Renewable Products Inc., California, 520g/kg crude protein

<sup>e</sup>Solae, Pro-Fine VF, Missouri, 656 g/kg crude protein

<sup>f</sup>Vera Oil, Veramaris ®, Nebraska

<sup>g</sup>USDA ARS, Montana, ARS 702; contributed, per kg diet; vitamin A 9650 IU; vitamin D 6600 IU; vitamin E 132 IU; vitamin K3 1.1 gm; thiamin mononitrate 9.1 mg; riboflavin 9.6 mg; pyridoxine hydrochloride 13.7 mg; pantothenate DL-calcium 46.5 mg; cyanocobalamin 0.03 mg; nicotinic acid 21.8 mg; biotin 0.34 mg; folic acid 2.5 mg; inositol 600 mg

<sup>h</sup>USDA ARS, Montana, ARS 1520, contributed in mg/kg of diet; copper 10; iodine 6; iron 90; manganese 17; zinc 30

All experimental diets were manufactured using twin-screw cooling extrusion (Wenger TX 57, Wenger Manufacturing, Sabetha, KS USA) at Zeigler Brothers Inc. (Gardners, PA). After drying and cooling all diets were placed in plastic lined paper bags and shipped to Texas A&M University, and stored in a cool dry location.