**Supplemental table 1: Nutrient composition of standard pellet diet used in this study**

|  |  |  |
| --- | --- | --- |
| Crude Nutrients |  |  |
| Dry matter | % wt/wt | 95.9 |
| Crude protein | % wt/wt | 17.1 |
| Crude fat | % wt/wt | 5.1 |
| Crude fibre | % wt/wt | 5.0 |
| Crude ash | % wt/wt | 4.2 |
| N free extracts | % wt/wt | 64.5 |
| Starch | % wt/wt | 39.0 |
| Sugar | % wt/wt | 23.3 |
| Minerals |  |  |
| Calcium | % wt/wt | 0.77 |
| Phosphorus | % wt/wt | 0.46 |
| Sodium | % wt/wt | 0.22 |
| Magnesium | % wt/wt | 0.08 |
| Potassium | % wt/wt | 0.55 |
| Amino acids |  |  |
| Lysine | % wt/wt | 1.39 |
| Methionine | % wt/wt | 0.91 |
| Met + Cys | % wt/wt | 0.99 |
| Threonine | % wt/wt | 0.75 |
| Arginine | % wt/wt | 0.62 |
| Histidine | % wt/wt | 0.53 |
| Valine | % wt/wt | 1.15 |
| Isoleucine | % wt/wt | 0.88 |
| Leucine | % wt/wt | 1.66 |
| Fatty acids |  |  |
| C4:0 | % wt/wt | - |
| C6:0 | % wt/wt | - |
| C8:0 | % wt/wt | - |
| C10:0 | % wt/wt | - |
| C12:0 | % wt/wt | - |
| C14:0 | % wt/wt | 0.02 |
| C16:0 | % wt/wt | 0.55 |
| C16:1 | % wt/wt | 0.03 |
| C18:0 | % wt/wt | 0.23 |
| C18:1 | % wt/wt | 1.32 |
| C18:2 | % wt/wt | 2.65 |
| C18:3 | % wt/wt | 0.33 |
| Vitamins |  |  |
| Vitamin A  | IU/kg | 15000 |
| Vitamin D3  | IU/kg | 1500 |
| Vitamin E  | mg/kg | 150 |
| Vitamin C  | mg/kg | 1030 |
| Metabolizable Energy (ME) |  |  |
| CP | kJ% | 19 |
| CL | kJ% | 12 |
| Carbohydrate, CHO | kJ% | 69 |