

**Product Description-** 7060 is a fixed formula, non-autoclavable diet manufactured with high quality ingredients. It is designed as a complete pelleted diet to be fed to laboratory ruminants. There is no added copper source, making it suitable for sheep. This product should be fed in daily quantities sufficient to maintain optimal body condition. Fresh water must be available at all times.

**Related code 7060C (certified).**

| Macronutrients                        |               |           |
|---------------------------------------|---------------|-----------|
| Crude Protein                         | %             | 13.3      |
| Fat (ether extract) <sup>a</sup>      | %             | 2.4       |
| Carbohydrate (available) <sup>b</sup> | %             | 23.8      |
| Crude Fiber                           | %             | 22.0      |
| Neutral Detergent Fiber <sup>c</sup>  | %             | 40.0      |
| Ash                                   | %             | 7.2       |
| Energy Density <sup>d</sup>           | kcal/g (kJ/g) | 2.2 (9.2) |
| Calories from Protein                 | %             | 31        |
| Calories from Fat                     | %             | 13        |
| Calories from Carbohydrate            | %             | 56        |
| Minerals                              |               |           |
| Calcium                               | %             | 0.9       |
| Phosphorus                            | %             | 0.5       |
| Non-Phytate Phosphorus                | %             | 0.3       |
| Sodium                                | %             | 0.5       |
| Potassium                             | %             | 1.5       |
| Chloride                              | %             | 0.9       |
| Magnesium                             | %             | 0.2       |
| Zinc                                  | mg/kg         | 227       |
| Manganese                             | mg/kg         | 32        |
| Copper                                | mg/kg         | 11        |
| Iodine                                | mg/kg         | 2         |
| Iron                                  | mg/kg         | 400       |
| Selenium                              | mg/kg         | 0.22      |
| Amino Acids                           |               |           |
| Aspartic Acid                         | %             | 1.2       |
| Glutamic Acid                         | %             | 1.3       |
| Alanine                               | %             | 0.7       |
| Glycine                               | %             | 0.9       |
| Threonine                             | %             | 0.9       |
| Proline                               | %             | 0.7       |
| Serine                                | %             | 0.6       |
| Leucine                               | %             | 1.2       |
| Isoleucine                            | %             | 0.7       |
| Valine                                | %             | 0.7       |
| Phenylalanine                         | %             | 0.7       |
| Tyrosine                              | %             | 0.5       |
| Methionine                            | %             | 0.2       |
| Cystine                               | %             | 0.2       |
| Lysine                                | %             | 0.7       |
| Histidine                             | %             | 0.3       |
| Arginine                              | %             | 0.8       |
| Tryptophan                            | %             | 0.2       |

**Ingredients** (in descending order of inclusion)- Dehydrated alfalfa meal, soybean hulls, ground corn, wheat middlings, cane molasses, dehulled soybean meal, salt, dicalcium phosphate, menadione sodium bisulfite complex (source of vitamin K activity), zinc oxide, magnesium oxide, calcium carbonate, iron carbonate, vitamin E acetate, vitamin B<sub>12</sub> supplement, calcium pantothenate, niacin, riboflavin, thiamin mononitrate, vitamin A acetate, cobalt carbonate, biotin, pyridoxine hydrochloride, vitamin D<sub>3</sub> supplement, potassium iodide, folic acid, sodium selenite.

#### Standard Product Form: Pellet

| Vitamins                                 |       |      |
|--|-------|------|
| Vitamin A <sup>e, f</sup>                | IU/g  | 10.0 |
| Vitamin D <sub>3</sub> <sup>e, g</sup>   | IU/g  | 1.3  |
| Vitamin E                                | IU/kg | 105  |
| Vitamin K <sub>3</sub> (menadione)       | mg/kg | 25   |
| Vitamin B <sub>1</sub> (thiamin)         | mg/kg | 18   |
| Vitamin B <sub>2</sub> (riboflavin)      | mg/kg | 9    |
| Niacin (nicotinic acid)                  | mg/kg | 48   |
| Vitamin B <sub>6</sub> (pyridoxine)      | mg/kg | 10   |
| Pantothenic Acid                         | mg/kg | 21   |
| Vitamin B <sub>12</sub> (cyanocobalamin) | mg/kg | 0.05 |
| Biotin                                   | mg/kg | 0.27 |
| Folate                                   | mg/kg | 2    |
| Choline                                  | mg/kg | 880  |
| Fatty Acids                              |       |      |
| C16:0 Palmitic                           | %     | 0.3  |
| C18:0 Stearic                            | %     | 0.1  |
| C18:1ω9 Oleic                            | %     | 0.2  |
| C18:2ω6 Linoleic                         | %     | 1.0  |
| C18:3ω3 Linolenic                        | %     | 0.3  |
| Total Saturated                          | %     | 0.4  |
| Total Monounsaturated                    | %     | 0.3  |
| Total Polyunsaturated                    | %     | 1.3  |
| Other                                    |       |      |
| Cholesterol                              | mg/kg | --   |

**Shelf life:** With proper storage, diet is suitable for use out to 9 months.

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<sup>a</sup> Ether extract is used to measure fat in pelleted diets, while an acid hydrolysis method is required to recover fat in extruded diets. Compared to ether extract, the fat value for acid hydrolysis will be approximately 1% point higher.

<sup>b</sup> Carbohydrate (available) is calculated by subtracting neutral detergent fiber from total carbohydrates.

<sup>c</sup> Neutral detergent fiber is an estimate of insoluble fiber, including cellulose, hemicellulose, and lignin. Crude fiber methodology underestimates total fiber.

<sup>d</sup> Energy density is a calculated estimate using metabolizable energy values for included ingredients, as published in NRC, *Nutrient Requirements of Small Ruminants*, The National Academies Press, 2007.

<sup>e</sup> Indicates added amount but does not account for contribution from other ingredients.

<sup>f</sup> 1 IU vitamin A = 0.3 µg retinol

<sup>g</sup> 1 IU vitamin D = 25 ng cholecalciferol

For nutrients not listed, insufficient data is available to quantify.

Nutrient data represent the best information available, calculated from published values and direct analytical testing of raw materials and finished product. Nutrient values may vary due to the natural variations in the ingredients, analysis, and effects of processing.