



Diet

High Energy Guinea Pig (GPHK5)

A Guinea Pig diet specifically designed for breeding colonies where fresh supplementary feeds are not used.

- Reformulated Feb 2008. Mammalian meals have been excluded from the formulation. Soy meal has been included in the formulation.
- For animal breeding facilities with relatively small, open Guinea Pig breeding colonies we would recommend a mixed feeding regime of GPR and fresh fruit / vegetables.
- The formulation includes a form of vitamin C with good stability, however it is known that considerable vitamin C degradation occurs on autoclaving the diet at 120° C. Whilst we have had no reports of symptoms of vitamin C deficiency in colonies fed this diet exclusively, we would recommend that the water of all Guinea Pigs be supplemented with Vitamin C.
- If the diet is to be autoclaved, the recommended conditions are: Autoclave at 120° C for 20 minutes with a post autoclaving vacuum drying cycle. Some clumping of the diet can be expected, but the diet clumps can usually be easily broken. Modifying the drying time to leave some residual moisture in the diet can minimise the clumping. Do not autoclave at 135° C as this will result in significant clumping that will be difficult to break.

Calculated Nutritional Parameters

Protein	19.30%
Total Fat	6.50%
Crude Fibre	9.10%
Neutral Detergent Fibre	18.20%
Acid Detergent Fibre	12.00%
Digestible Energy	13.4 MJ / Kg
Calcium	1.10%
Phosphorous	0.80%

Ingredients

A Fixed formula ration using the following ingredients:
Wheat, Lupins, Soya bean meal, Canola meal, Lucerne, Salt, Dicalcium phosphate, Canola oil, Fish oil, Molasses, Lysine, DL Methionine, Vitamin C (in protected form) and a Vitamin and trace mineral premix.

Diet Form and Features

- The diet is manufactured as a 4 mm diameter pellet, 4 - 10 mm long.
- Pack size 4.5 Kg, vacuum packed under nitrogen in oxygen impermeable plastic bags. Bags are packed into cardboard cartons to protect them during transit.
- 10 or 20 Kg woven polyethylene bags suitable for direct loading into an autoclave.
- Diet suitable for irradiation, also suitable for autoclave.
- Lead time 2 weeks for non-irradiation or 4 weeks for irradiation.

Feeding Recommendations

Feed ad-lib to animals of all ages.

Added Vitamins	
Vitamin A (Retinol)	20 000 IU/Kg
Vitamin D (Cholecalciferol)	1 000 IU/Kg
Vitamin E (a Tocopherol acetate)	20 mg/Kg
Vitamin K (Menadione)	1 mg/Kg
Vitamin C (Ascorbic acid)	665 mg/Kg
Vitamin B1 (Thiamine)	2 mg/Kg
Vitamin B2 (Riboflavin)	2.5 mg/Kg
Niacin (Nicotinic acid)	15 mg/Kg
Vitamin B6 (Pryridoxine)	2 mg/Kg
Calcium Pantothenate	20 mg/Kg
Biotin	200 ug/Kg
Folic Acid	3 mg/Kg
Vitamin B12 (Cyanocobalamin)	10 ug/Kg
Choline	900 mg/Kg

Added Trace Minerals	
Magnesium	150 mg/Kg
Iron	30 mg/Kg
Copper	10 mg/Kg
Iodine	1.2 mg/Kg
Manganese	67 mg/Kg
Cobalt	0.5 mg/Kg
Zinc	50 mg/Kg
Selenium	0.1 mg/Kg

Calculated Amino Acids	
Valine	0.80%
Leucine	1.40%
Isoleucine	0.80%
Threonine	0.70%
Methionine	0.30%
Cystine	0.30%
Lysine	1.00%
Phenylalanine	0.90%
Tyrosine	0.80%
Tryptophan	0.20%

Calculated Total Minerals	
Calcium	1.10%
Phosphorous	0.80%
Magnesium	0.20%
Sodium	0.10%
Potassium	1.00%
Sulphur	0.20%
Iron	217 mg/Kg
Copper	20 mg/Kg
Iodine	1.2 mg/Kg
Manganese	110 mg/Kg
Cobalt	0.9 mg/Kg
Zinc	82 mg/Kg
Molybdenum	1.2 mg/Kg
Selenium	0.3 mg/Kg
Cadmium	0.1 mg/Kg
Chromium	No data
Boron	4.0 mg/Kg

Calculated Total Vitamins	
Vitamin A (Retinol)	35 210 IU/Kg
Vitamin D (Cholecalciferol)	1 000 IU/Kg
Vitamin E (a Tocopherol acetate)	35 mg/Kg
Vitamin K (Menadione)	1.8 mg/Kg
Vitamin C (Ascorbic acid)	665 mg/Kg
Vitamin B1 (Thiamine)	4.9 mg/Kg
Vitamin B2 (Riboflavin)	4.4 mg/Kg
Niacin (Nicotinic acid)	50 mg/Kg
Vitamin B6 (Pryridoxine)	4.6 mg/Kg
Pantothenic Acid	31 mg/Kg
Biotin	340 ug/Kg
Folic Acid	3.5 mg/Kg
Inositol	None added
Vitamin B12 (Cyanocobalamin)	10 ug/Kg
Choline	2 920 mg/Kg

Calculated Fatty Acid Composition	
Myristic Acid 14:0	0.05%
Palmitic Acid 16:0	0.50%
Stearic Acid 18:0	0.20%
Palmitoleic Acid 16:1	0.06%
Oleic Acid 18:1	2.80%
Gadoleic Acid 20:1	0.07%
Linoleic Acid 18:2 n6	1.50%
a Linolenic Acid 18:3 n3	0.50%
Arachadonic Acid 20:4 n6	0.01%
EPA 20:5 n3	0.20%
DHA 22:6 n3	0.10%
Total n3	0.80%
Total n6	1.51%
Total Carotenoid	No data
Total Phospholipid	0.30%
Cholesterol	Trace

Calculated data uses information from typical raw material composition. It could be expected that individual batches of diet will vary from this figure.

We are happy to provide full calculated nutritional information for all of our products, however we would like to emphasise that these diets have been specifically designed for manufacture by Specialty Feeds.

This Feed Stuff Does Not Contain Restricted Animal Products.