



Diet

Quokka Cubes

A diet designed for Quokka (*Setonix brachyurus*).

- Quokka are a small foregut fermenting marsupial native to Western Australia. The most prominent population is on Rottenest Island.
- This diet was designed around the work of Dr. Byron KAKULUS. This work was published as a book Man Marsupials and Muscle, ISBN 0 85564 172 X in 1982.
- This diet design has been fed to breeding colonies, zoo colonies and experimental animal colonies for around fifteen years.
- The vitamin A and vitamin E inclusion in this diet appears to be exceptionally high. We have some doubt that this inclusion rate is necessary, however considering the time that the diet has been in successful use, we are very reluctant to modify this formulation.

Calculated Nutritional Parameters

| | |
|-----------------------------------------------|------------|
| Protein | 14.90% |
| UIP (Rumen Bypass Protein as % crude protein) | 20.00% |
| Total Fat | 4.80% |
| Crude Fibre | 10.90% |
| Acid Detergent Fibre | 15.00% |
| Metabolisable Energy | 12 MJ / Kg |
| Calcium | 0.90% |
| Phosphorous | 0.60% |

Diet Form and Features

- The diet is manufactured as an 12 mm diameter cube 15 - 25 mm long.
- Packaging is in 20 Kg woven polyethylene bags.

Feeding Recommendations

Can be fed as a complete diet to Quokka or as a supplementary with good quality browse.

Added Vitamins

| | |
|----------------------------------|--------------|
| Vitamin A (Retinol) | 35 230 IU/Kg |
| Vitamin D (Cholecalciferol) | 4 530 IU/Kg |
| Vitamin E (a Tocopherol acetate) | 1 610 mg/Kg |
| Vitamin B 2 (Riboflavin) | 22 mg/Kg |
| Calcium Pantothenate | 11 mg/Kg |

Ingredients

A Fixed formula ration using the following ingredients:

Lucerne, Mill mix, Barley, Dicalcium phosphate, Calcium carbonate, Salt, Skim milk, and a Vitamin and mineral premix.

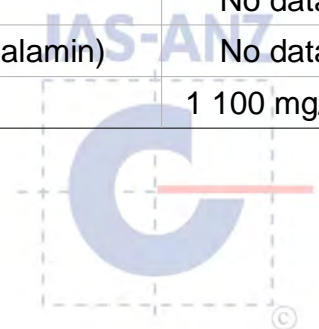
The diet contains the antioxidant BHT at 150 mg/Kg

| Added Trace Minerals | |
|----------------------|-----------|
| Magnesium | 90 mg/Kg |
| Sodium | 100 mg/Kg |
| Potassium | 150 mg/Kg |
| Sulphur | 270 mg/Kg |
| Iron | 38 mg/Kg |
| Copper | 10 mg/Kg |
| Iodine | 13 mg/Kg |
| Cobalt | 1.7 mg/Kg |
| Zinc | 100 mg/Kg |
| Selenium | 0.1 mg/Kg |

| Calculated Amino Acids | |
|------------------------|-------|
| Valine | 0.70% |
| Leucine | 1.00% |
| Isoleucine | 0.60% |
| Threonine | 0.50% |
| Methionine | 0.20% |
| Cystine | 0.20% |
| Lysine | 0.60% |
| Phenylalanine | 0.70% |
| Tyrosine | 0.50% |
| Tryptophan | 0.19% |

| Calculated Total Minerals | |
|---------------------------|------------|
| Calcium | 0.90% |
| Phosphorous | 0.60% |
| Magnesium | 0.40% |
| Sodium | 0.70% |
| Potassium | 1.40% |
| Sulphur | 0.40% |
| Iron | 209 mg/Kg |
| Copper | 22 mg/Kg |
| Iodine | 13 mg/Kg |
| Manganese | 67 mg/Kg |
| Cobalt | 2 mg/Kg |
| Zinc | 145 mg/Kg |
| Molybdenum | No data |
| Selenium | 0.3 mg/Kg |
| Cadmium | 0.02 mg/Kg |
| Chromium | No data |

| Calculated Total Vitamins | |
|----------------------------------|--------------|
| Vitamin A (Retinol) | 86 230 IU/Kg |
| Vitamin D (Cholecalciferol) | 4 530 IU/Kg |
| Vitamin E (a Tocopherol acetate) | 1 660 mg/Kg |
| Vitamin K (Menadione) | 3 mg/Kg |
| Vitamin C (Ascorbic acid) | No data |
| Vitamin B1 (Thiamine) | 6.4 mg/Kg |
| Vitamin B2 (Riboflavin) | 30 mg/Kg |
| Niacin (Nicotinic acid) | 59 mg/Kg |
| Vitamin B6 (Pryridoxine) | 5.4 mg/Kg |
| Pantothenic Acid | 31 mg/Kg |
| Biotin | 47 ug/Kg |
| Folic Acid | 1 mg/Kg |
| Inositol | No data |
| Vitamin B12 (Cyanocobalamin) | No data |
| Choline | 1 100 mg/Kg |



| Calculated Fatty Acid Composition | |
|-----------------------------------|---------|
| Myristic Acid 14:0 | Trace |
| Palmitic Acid 16:0 | 0.30% |
| Stearic Acid 18:0 | 0.01% |
| Palmitoleic Acid 16:1 | Trace |
| Oleic Acid 18:1 | 0.30% |
| Gadoleic Acid 20:1 | No data |
| Linoleic Acid 18:2 n6 | 1.00% |
| a Linolenic Acid 18:3 n3 | 0.10% |
| Arachadonic Acid 20:4 n6 | No data |
| Total n3 | 0.12% |
| Total n6 | 1.00% |
| Total Carotenoid | No data |
| Total Phospholipid | No data |
| Cholesterol | No data |

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 Feedstuff does not contain restricted animal material.

