

## Trio Munch

*Expanded Ring*

### SUITABLE SPECIES AND APPLICATIONS

Old and New World Primates as a diet enrichment treat, or as complete diet.

### DESCRIPTION

An expanded diet for primates, designed to be used as a major part of the animal's feed and that can also be utilised as a primate enrichment treat.

### BENEFITS

- Trials indicate good palatability.
- Nutritionally balanced.
- Fortified with 400mg/kg of Ascorbyl Polyphosphate, a stable and readily available form of Vitamin C.
- Adequate Vitamin D<sub>3</sub> level for all New World Primates.
- Can be used as a foraging diet.

### PRODUCT FORM

An expanded diet manufactured in a ring shape.

### FEEDING GUIDE

Primates generally consume approximately 2%-4% of their bodyweight per day and Trio Munch can be fed up to 25% of their total daily food intake.

### AVAILABLE AS

Diet	Form	Product Code
Standard TM	Ring	808021

- All Standard diets are available with full analysis on request.

### INGREDIENTS

De-hulled Extracted Toasted Soya, Wheat, Wheatfeed, Soya Bean Hulls, Maize Gluten Meal, Molasses, Maize, Macro Minerals, Soya Oil, Soya Protein Concentrate, Raspberry Flavour, Sucrose, Vitamins, Amino Acids, Micro Minerals.



## Calculated Analysis

NUTRIENTS		Total	Supp (9)
<b>Proximate Analysis</b>			
Moisture (1)	%	10.00	
Crude Oil	%	4.88	
Crude Protein	%	23.88	
Crude Fibre	%	6.13	
Ash	%	8.07	
Nitrogen Free Extract	%	46.41	
<b>Digestibility Co-Efficients (7)</b>			
Digestible Crude Oil	%	4.36	
Digestible Crude Protein	%	20.85	
<b>Carbohydrates, Fibre and Non Starch Polysaccharides (NSP)</b>			
Total Dietary Fibre	%	17.14	
Pectin	%	1.89	
Hemicellulose	%	8.68	
Cellulose	%	6.41	
Lignin	%	1.33	
Starch	%	27.69	
Sugar	%	5.62	
<b>Energy (5)</b>			
Gross Energy	MJ/kg	15.26	
Digestible Energy (15)	MJ/kg	12.27	
Metabolisable Energy (15)	MJ/kg	11.22	
Atwater Fuel Energy (AFE) (8)	MJ/kg	13.59	
AFE from Oil	%	13.51	
AFE from Protein	%	29.38	
AFE from Carbohydrate	%	57.11	
<b>Fatty Acids</b>			
<b>Saturated Fatty Acids</b>			
C12:0 Lauric	%	0.06	
C14:0 Myristic	%	0.18	
C16:0 Palmitic	%	0.39	
C18:0 Stearic	%	0.13	
<b>Monounsaturated Fatty Acids</b>			
C14:1 Myristoleic	%	0.01	
C16:1 Palmitleic	%	0.10	
C18:1 Oleic	%	1.10	
<b>Polyunsaturated Fatty Acids</b>			
C18:2(ω6) Linoleic	%	1.61	
C18:3(ω3) Linolenic	%	0.23	
C20:4(ω6) Arachidonic	%	0.09	
C22:5(ω3) Clupanodonic	%		
<b>Amino Acids</b>			
Arginine	%	1.67	
Lysine (6)	%	1.37	0.14
Methionine	%	0.45	0.10
Cystine	%	0.35	
Tryptophan	%	0.28	
Histidine	%	0.62	
Threonine	%	0.90	
Isoleucine	%	1.05	
Leucine	%	2.12	
Phenylalanine	%	1.21	
Valine	%	1.13	
Tyrosine	%	0.90	
Taurine	%		
Glycine	%	2.17	
Aspartic Acid	%	1.28	

NUTRIENTS		Total	Supp (9)
Glutamic Acid	%	4.16	
Proline	%	1.26	
Serine	%	1.00	
Hydroxyproline	%		
Hydroxylysine	%		
Alanine	%	0.35	
<b>Macro Minerals</b>			
Calcium	%	1.13	0.92
Total Phosphorus	%	0.97	0.50
Phytate Phosphorus	%	0.27	
Available Phosphorus	%	0.70	0.50
Sodium	%	0.26	0.20
Chloride	%	0.37	0.33
Potassium	%	1.06	
Magnesium	%	0.21	
<b>Micro Minerals</b>			
Iron	mg/kg	285.99	177.00
Copper	mg/kg	20.20	5.00
Manganese	mg/kg	103.62	60.14
Zinc	mg/kg	91.53	54.00
Cobalt	µg/kg	1143.51	1050.00
Iodine	µg/kg	2298.00	2170.00
Selenium	µg/kg	214.99	50.00
Fluorine	mg/kg	7.16	
<b>Vitamins</b>			
β-Carotene (2)	mg/kg	1.27	
Retinol (2)	µg/kg	6761.66	6000.00
Vitamin A (2)	iu/kg	22519.20	20000.00
Cholecalciferol (3)	µg/kg	255.26	250.00
Vitamin D (3)	iu/kg	10210.23	10000.00
α-Tocopherol (4)	mg/kg	111.38	90.91
Vitamin E (4)	iu/kg	122.94	100.00
Vitamin B <sub>1</sub> (Thiamine)	mg/kg	19.80	14.70
Vitamin B <sub>2</sub> (Riboflavin)	mg/kg	11.24	9.80
Vitamin B <sub>6</sub> (Pyridoxine)	mg/kg	12.74	9.80
Vitamin B <sub>12</sub> (Cyanocobalamine)	µg/kg	26.36	25.00
Vitamin C (Ascorbic Acid) (16)	mg/kg	403.35	400.00
Vitamin K (Menadione)	mg/kg	5.16	4.80
Folic Acid (Vitamin B <sub>9</sub> )	mg/kg	6.82	4.90
Nicotinic Acid (Vitamin PP) (6)	mg/kg	73.52	31.85
Pantothenic Acid (Vitamin B <sub>3/5</sub> )	mg/kg	30.37	17.60
Choline (Vitamin B <sub>4/7</sub> )	mg/kg	1802.73	752.00
Inositol	mg/kg	1426.42	
Biotin (Vitamin H) (6)	µg/kg	429.42	200.00

### Notes

- All values are calculated using a moisture basis of 10%. Typical moisture levels will range between 9.5 - 11.5%.
- a. Vitamin A includes Retinol and the Retinol equivalents of β-carotene  
b. Retinol includes the Retinol equivalents of β-Carotene.  
c. 0.48 µg Retinol = 1 µg β-carotene = 1.6 iu Vitamin A activity  
d. 1 µg Retinol = 3.33\* iu Vitamin A activity  
e. 1 iu Vitamin A = 0.3 µg Retinol = 0.6 µg β-carotene  
f. The standard analysis for Vitamin A does not detect β-carotene
- 1 µg Cholecalciferol (D<sub>3</sub>) = 40.0 iu Vitamin D
- 1 mg all-*rac*-α-tocopherol = 1.1 iu Vitamin E activity  
1 mg all-*rac*-α-tocopherol acetate = 1.0 iu Vitamin E activity
- 1 MJ = 239.23 Kcalories = 239.23 Calories = 239,230 calories
- These nutrients coming from natural raw materials such as cereals may have low availabilities due to the interactions with other compounds.
- Based on in-vitro digestibility analysis.
- AF Energy = Atwater Fuel Energy = ((CO%/100)\*9000)+((CP%/100)\*4000)+((NFE%/100)\*4000)/239.23
- Supplemented nutrients from manufactured and mined sources.
- Calculated.
- Supplemented Vit. C as Ascorbyl Polyphosphate.