

## Puppy Diet C

*Expanded*

### **SUITABLE SPECIES AND APPLICATIONS**

An expanded diet for breeding bitches during lactation and puppies until 3 months of age.

### **BENEFITS**

- Clean and easy to feed.
- The expansion process ensures readily metabolisable dietary constituents, ensuring the diet is economic in use.
- Expanded dog diet helps maintain healthy teeth and gums.
- Fat coating ensures high palatability.

### **FEEDING GUIDE**

Ad-lib feeding is recommended. Fresh drinking water **MUST** be available at all times

### **AVAILABLE AS**

<b>Diet</b>	<b>Form</b>	<b>Product Code</b>
<i>Standard</i> C (E)	<i>Expanded</i>	805160

### **INGREDIENTS**

Wheat, Poultry Meat Meal, Wheatfeed, De-hulled Extracted Toasted Soya, Maize Gluten Meal, Chicken Fat, Molasses, Whey Powder, Soya Oil, Yeast, Wheat Germ, Vitamins, Macro Minerals, Micro Minerals, Amino Acids.



# Calculated Analysis

NUTRIENTS		Total	Supp (9)
<b>Proximate Analysis</b>			
Moisture (1)	%	10.00	
Crude Oil	%	10.68	
Crude Protein	%	29.12	
Crude Fibre	%	3.31	
Ash	%	7.25	
Nitrogen Free Extract	%	39.10	
<b>Digestibility Co-Efficients (7)</b>			
Digestible Crude Oil	%	9.72	
Digestible Crude Protein	%	26.21	
<b>Carbohydrates, Fibre and Non Starch Polysaccharides (NSP)</b>			
Total Dietary Fibre	%	11.23	
Pectin	%	1.00	
Hemicellulose	%	6.91	
Cellulose	%	2.74	
Lignin	%	1.15	
Starch	%	23.56	
Sugar	%	6.13	
<b>Energy (5)</b>			
Gross Energy	MJ/kg	17.52	
Digestible Energy	MJ/kg		
Metabolisable Energy (10)	MJ/kg	13.76	
Atwater Fuel Energy (AFE) (8)	MJ/kg	15.42	
AFE from Oil	%	26.05	
AFE from Protein	%	31.57	
AFE from Carbohydrate	%	42.38	
<b>Fatty Acids</b>			
<b>Saturated Fatty Acids</b>			
C12:0 Lauric	%	0.18	
C14:0 Myristic	%	0.27	
C16:0 Palmitic	%	2.39	
C18:0 Stearic	%	0.45	
<b>Monounsaturated Fatty Acids</b>			
C14:1 Myristoleic	%	0.01	
C16:1 Palmitleic	%	0.05	
C18:1 Oleic	%	4.05	
<b>Polyunsaturated Fatty Acids</b>			
C18:2(ω6) Linoleic	%	2.28	
C18:3(ω3) Linolenic	%	0.24	
C20:4(ω6) Arachidonic	%	0.12	
C22:5(ω3) Clupanodonic	%		
<b>Amino Acids</b>			
Arginine	%	1.85	
Lysine (6)	%	1.51	
Methionine	%	0.53	0.02
Cystine	%	0.39	
Tryptophan	%	0.28	
Histidine	%	0.80	
Threonine	%	1.06	
Isoleucine	%	1.16	
Leucine	%	2.39	
Phenylalanine	%	1.26	
Valine	%	1.34	
Tyrosine	%	0.95	
Taurine	%		
Glycine	%	2.49	
Aspartic Acid	%	1.85	

NUTRIENTS		Total	Supp (9)
Glutamic Acid	%	4.90	
Proline	%	1.86	
Serine	%	0.69	
Hydroxyproline	%	0.31	
Hydroxylysine	%	0.11	
Alanine	%	1.67	
<b>Macro Minerals</b>			
Calcium	%	1.45	0.05
Total Phosphorus	%	0.98	
Phytate Phosphorus	%	0.21	
Available Phosphorus	%	0.77	
Sodium	%	0.28	0.09
Chloride	%	0.38	0.20
Potassium	%	0.86	
Magnesium	%	0.20	
<b>Micro Minerals</b>			
Iron	mg/kg	157.74	10.57
Copper	mg/kg	19.34	3.86
Manganese	mg/kg	71.36	28.98
Zinc	mg/kg	151.88	94.57
Cobalt	µg/kg	1015.76	958.43
Iodine	µg/kg	4437.31	4241.28
Selenium	µg/kg	265.01	49.97
Fluorine	mg/kg	7.01	
<b>Vitamins</b>			
β-Carotene (2)	mg/kg	1.21	
Retinol (2)	µg/kg	7060.45	6413.57
Vitamin A (2)	iu/kg	23516.24	21378.53
Cholecalciferol (3)	µg/kg	46.88	46.55
Vitamin D (3)	iu/kg	1875.30	1862.00
α-Tocopherol (4)	mg/kg	162.74	145.16
Vitamin E (4)	iu/kg	178.99	159.67
Vitamin B <sub>1</sub> (Thiamine)	mg/kg	11.31	5.84
Vitamin B <sub>2</sub> (Riboflavin)	mg/kg	12.59	10.07
Vitamin B <sub>6</sub> (Pyridoxine)	mg/kg	10.53	7.69
Vitamin B <sub>12</sub> (Cyanocobalamin)	µg/kg	119.82	118.57
Vitamin C (Ascorbic Acid) (16)	mg/kg	7.48	7.43
Vitamin K (Menadione)	mg/kg	15.30	14.96
Folic Acid (Vitamin B <sub>9</sub> )	mg/kg	3.20	1.87
Nicotinic Acid (Vitamin PP) (6)	mg/kg	107.12	52.54
Pantothenic Acid (Vitamin B <sub>3/5</sub> )	mg/kg	54.92	40.46
Choline (Vitamin B <sub>4/7</sub> )	mg/kg	2597.36	1608.59
Inositol	mg/kg	1191.25	35.69
Biotin (Vitamin H) (6)	µg/kg	705.06	359.58

**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.
- ME Dogs (NRC 85) = ((CO%/100)\*8460)+((CP%/100)\*3500)+((NFE%/100)\*3500)
- Supplemented Vit. C as Ascorbyl Polyphosphate.