

## Dog – D3

*Expanded*

### SUITABLE SPECIES AND APPLICATIONS

D3 for Dog Maintenance is an expanded diet suitable for dogs during long and short term maintenance from 3-4 months old.

### BENEFITS

- Clean and easy to feed.
- The expansion process provides readily metabolisable dietary constituents ensuring the diet is economic in use.
- Expanded dog diets help maintain healthy teeth and gums.
- Fat coating ensures high palatability
- Formulated with regard to the most up-to-date knowledge of the nutritional requirements of the dog under conditions of long term maintenance.
- Inclusion of Fructose Oligosaccharide aids good digestion.

### FEEDING GUIDE

Animals should always be fed to condition. It may be advantageous to restrict food intake to ensure that excess fat is not laid down. Fresh drinking water **MUST** be available at all times.

### AVAILABLE AS

Diet	Form	Product Code
<i>Standard</i>		
D3 (E)	<i>Expanded</i>	805166
D3 (E) SQC	<i>Expanded</i>	815166

### INGREDIENTS

Poultry Meat Meal, Maize, Rice, Wheat Flour, Wheat, Sugar Beet Pulp, Chicken Fat, Wheatfeed, Maize Gluten Meal, Macro Minerals, Fish Meal, Linseed Expeller; Soya Oil, Amino Acids, Vitamins, Dried Whole Egg, Fructose Oligosaccharide, Micro Minerals.



## Calculated Analysis

NUTRIENTS		Total	Supp (9)
<b>Proximate Analysis</b>			
Moisture (1)	%	10.00	
Crude Oil	%	9.16	
Crude Protein	%	21.49	
Crude Fibre	%	2.47	
Ash	%	8.43	
Nitrogen Free Extract	%	47.15	
<b>Digestibility Co-Efficients (7)</b>			
Digestible Crude Oil	%	8.25	
Digestible Crude Protein	%	18.89	
<b>Carbohydrates, Fibre and Non Starch Polysaccharides (NSP)</b>			
Total Dietary Fibre	%	8.77	
Pectin	%	1.96	
Hemicellulose	%	4.69	
Cellulose	%	2.49	
Lignin	%	0.56	
Starch	%	37.38	
Sugar	%	3.46	
<b>Energy (5)</b>			
Gross Energy	MJ/kg	16.36	
Digestible Energy	MJ/kg		
Metabolisable Energy (10)	MJ/kg	13.28	
Atwater Fuel Energy (AFE) (8)	MJ/kg	14.92	
AFE from Oil	%	23.09	
AFE from Protein	%	24.08	
AFE from Carbohydrate	%	52.83	
<b>Fatty Acids</b>			
<b>Saturated Fatty Acids</b>			
C12:0 Lauric	%	0.13	
C14:0 Myristic	%	0.18	
C16:0 Palmitic	%	2.12	
C18:0 Stearic	%	0.38	
<b>Monounsaturated Fatty Acids</b>			
C14:1 Myristoleic	%	0.02	
C16:1 Palmitleic	%	0.11	
C18:1 Oleic	%	3.57	
<b>Polyunsaturated Fatty Acids</b>			
C18:2(ω6) Linoleic	%	1.79	
C18:3(ω3) Linolenic	%	0.19	
C20:4(ω6) Arachidonic	%	0.09	
C22:5(ω3) Clupanodonic	%	0.01	
<b>Amino Acids</b>			
Arginine	%	1.23	
Lysine (6)	%	1.21	0.25
Methionine	%	0.48	0.04
Cystine	%	0.29	
Tryptophan	%	0.18	
Histidine	%	0.57	
Threonine	%	0.79	
Isoleucine	%	0.83	
Leucine	%	1.80	
Phenylalanine	%	0.92	
Valine	%	0.99	
Tyrosine	%	0.73	
Taurine	%		
Glycine	%	1.57	
Aspartic Acid	%	1.26	

NUTRIENTS		Total	Supp (9)
Glutamic Acid	%	3.18	
Proline	%	1.29	
Serine	%	0.42	
Hydroxyproline	%	0.25	
Hydroxylysine	%	0.09	
Alanine	%	1.29	

Macro Minerals			
Calcium	%	1.96	0.84
Total Phosphorus	%	1.29	0.62
Phytate Phosphorus	%	0.10	
Available Phosphorus	%	1.19	0.62
Sodium	%	0.31	0.19
Chloride	%	0.50	0.33
Potassium	%	0.73	0.31
Magnesium	%	0.21	0.10

Micro Minerals			
Iron	mg/kg	178.25	60.83
Copper	mg/kg	11.34	4.04
Manganese	mg/kg	51.07	30.32
Zinc	mg/kg	131.78	99.26
Cobalt	µg/kg	1690.78	1676.48
Iodine	µg/kg	4506.72	4453.23
Selenium	µg/kg	185.46	52.25
Fluorine	mg/kg	6.42	

Vitamins			
β-Carotene (2)	mg/kg	2.19	
Retinol (2)	µg/kg	5259.40	4489.62
Vitamin A (2)	iu/kg	18467.87	14965.38
Cholecalciferol (3)	µg/kg	41.33	37.41
Vitamin D (3)	iu/kg	1645.50	1496.25
α-Tocopherol (4)	mg/kg	100.27	90.88
Vitamin E (4)	iu/kg	111.11	99.96
Vitamin B <sub>1</sub> (Thiamine)	mg/kg	11.57	9.37
Vitamin B <sub>2</sub> (Riboflavin)	mg/kg	6.89	5.36
Vitamin B <sub>6</sub> (Pyridoxine)	mg/kg	7.67	5.87
Vitamin B <sub>12</sub> (Cyanocobalamin)	µg/kg	21.53	19.96
Vitamin C (Ascorbic Acid) (16)	mg/kg	9.06	7.74
Vitamin K (Menadione)	mg/kg	15.82	15.74
Folic Acid (Vitamin B <sub>9</sub> )	mg/kg	4.23	3.96
Nicotinic Acid (Vitamin PP) (6)	mg/kg	83.83	54.95
Pantothenic Acid (Vitamin B <sub>3/5</sub> )	mg/kg	50.08	42.42
Choline (Vitamin B <sub>4/7</sub> )	mg/kg	1817.36	1126.15
Inositol	mg/kg	1021.47	29.10
Biotin (Vitamin H) (6)	µg/kg	465.62	282.19

### 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.