

## Dog Diet A

*Expanded and Expanded Ground*

### SUITABLE SPECIES AND APPLICATIONS

Dogs for breeding and maintenance. Also suitable for ferrets.

### BENEFITS

- Clean and easy to feed.
- Expanded dog diets help maintain healthy teeth and gums.

### FEEDING GUIDE

Intake should be restricted, but animals should always be fed to condition. As a rough guide, 25-30g of diet per kilo body weight should be fed daily. Fresh drinking water MUST be available at all times.

### AVAILABLE AS

Diet	Form	Product Code
<i>Standard</i>		
A (E)	<i>Expanded</i>	805100
<i>SQC</i>		
A (E) SQC	<i>Expanded</i>	815100
A (E) (FG) SQC	<i>Expanded Ground</i>	815102

### INGREDIENTS

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



## Calculated Analysis

NUTRIENTS		Total	Supp (9)
<b>Proximate Analysis</b>			
Moisture (1)	%	10.00	
Crude Oil	%	6.96	
Crude Protein	%	22.99	
Crude Fibre	%	3.78	
Ash	%	12.28	
Nitrogen Free Extract	%	43.46	
<b>Digestibility Co-Efficients (7)</b>			
Digestible Crude Oil	%	6.32	
Digestible Crude Protein	%	20.29	
<b>Carbohydrates, Fibre and Non Starch Polysaccharides (NSP)</b>			
Total Dietary Fibre	%	14.34	
Pectin	%	1.23	
Hemicellulose	%	9.08	
Cellulose	%	3.23	
Lignin	%	1.55	
Starch	%	28.39	
Sugar	%	3.96	
<b>Energy (5)</b>			
Gross Energy	MJ/kg	15.17	
Digestible Energy	MJ/kg		
Metabolisable Energy (10)	MJ/kg	12.18	
Atwater Fuel Energy (AFE) (8)	MJ/kg	13.73	
AFE from Oil	%	19.07	
AFE from Protein	%	28.00	
AFE from Carbohydrate	%	52.93	
<b>Fatty Acids</b>			
<b>Saturated Fatty Acids</b>			
C12:0 Lauric	%	0.15	
C14:0 Myristic	%	0.29	
C16:0 Palmitic	%	1.04	
C18:0 Stearic	%	0.19	
<b>Monounsaturated Fatty Acids</b>			
C14:1 Myristoleic	%	0.01	
C16:1 Palmitleic	%	0.08	
C18:1 Oleic	%	2.12	
<b>Polyunsaturated Fatty Acids</b>			
C18:2(ω6) Linoleic	%	1.83	
C18:3(ω3) Linolenic	%	0.24	
C20:4(ω6) Arachidonic	%	0.14	
C22:5(ω3) Clupanodonic	%		
<b>Amino Acids</b>			
Arginine	%	1.48	
Lysine (6)	%	1.30	0.11
Methionine	%	0.51	0.14
Cystine	%	0.30	
Tryptophan	%	0.24	
Histidine	%	0.65	
Threonine	%	0.82	
Isoleucine	%	0.86	
Leucine	%	1.57	
Phenylalanine	%	0.92	
Valine	%	1.06	
Tyrosine	%	0.68	
Taurine	%		
Glycine	%	1.92	
Aspartic Acid	%	1.42	

NUTRIENTS		Total	Supp (9)
Glutamic Acid	%	3.88	
Proline	%	1.64	
Serine	%	0.45	
Hydroxyproline	%	0.27	
Hydroxylysine	%	0.10	
Alanine	%	1.24	
<b>Macro Minerals</b>			
Calcium	%	3.06	1.88
Total Phosphorus	%	1.33	0.41
Phytate Phosphorus	%	0.21	
Available Phosphorus	%	1.13	0.41
Sodium	%	0.49	0.34
Chloride	%	0.71	0.54
Potassium	%	0.64	
Magnesium	%	0.22	
<b>Micro Minerals</b>			
Iron	mg/kg	264.37	141.60
Copper	mg/kg	13.71	2.01
Manganese	mg/kg	58.86	9.75
Zinc	mg/kg	100.75	42.37
Cobalt	µg/kg	2668.74	2604.14
Iodine	µg/kg	5091.63	4960.08
Selenium	µg/kg	245.77	
Fluorine	mg/kg	8.22	
<b>Vitamins</b>			
β-Carotene (2)	mg/kg	0.48	
Retinol (2)	µg/kg	3916.62	3660.18
Vitamin A (2)	iu/kg	13049.41	12200.61
Cholecalciferol (3)	µg/kg	61.24	61.00
Vitamin D (3)	iu/kg	2449.79	2440.00
α-Tocopherol (4)	mg/kg	86.76	67.86
Vitamin E (4)	iu/kg	95.42	74.65
Vitamin B <sub>1</sub> (Thiamine)	mg/kg	16.43	9.81
Vitamin B <sub>2</sub> (Riboflavin)	mg/kg	5.41	3.14
Vitamin B <sub>6</sub> (Pyridoxine)	mg/kg	7.09	3.93
Vitamin B <sub>12</sub> (Cyanocobalamin)	µg/kg	30.67	30.00
Vitamin C (Ascorbic Acid)	mg/kg	0.37	
Vitamin K (Menadione)	mg/kg	2.24	1.92
Folic Acid (Vitamin B <sub>9</sub> )	mg/kg	2.64	1.57
Nicotinic Acid (Vitamin PP) (6)	mg/kg	94.65	33.42
Pantothenic Acid (Vitamin B <sub>3/5</sub> )	mg/kg	21.82	6.43
Choline (Vitamin B <sub>4/7</sub> )	mg/kg	1208.06	331.09
Inositol	mg/kg	1449.48	6.16
Biotin (Vitamin H) (6)	µg/kg	364.15	2.81

### 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).