

AAFCO DOG REQUIREMENTS

Nutrient	Units	AAFCO Growth and Reprod	Adult Maintenance	Maximum	NRC Late Gestation Peak Lactation	NRC Adult Maintenance	NRC Growth weaning	Units /100Kcal	AAFCO Growth and repro		AAFCO Maintenance		AAFCO Max
	DM Basis	Minimum	Minimum					g/100 Kcal	Units per 100 Kcal	Units/1000Kcal	/100 Kcal	/1000Kcal	/100 kcal
Protein	%	22	18	-	20	10	17.5		6.29	62.9	5.14	51.4	
Arginine	%	0.62	0.51	-	1	0.35	0.79		0.18	1.8	0.15	1.5	
Histidine	%	0.22	0.18	-	0.44	0.19	0.39		0.06	0.6	0.05	0.5	
Isoleucine	%	0.45	0.37	-	0.71	0.39	0.65		0.13	1.3	0.11	1.1	
Leucine	%	0.72	0.59	-	2	0.68	1.29		0.21	2.1	0.17	1.7	
Lysine	%	0.77	0.63	-	0.9	0.35	0.88		0.22	2.2	0.18	1.8	
Methionine-cystine	%	0.53	0.43	-	0.62	0.65	0.7		0.15	1.5	0.12	1.2	
Methionine	%	0.89	0.73	-	1.23	0.74	1.3		0.25	2.5	0.21	2.1	
Phenylalanine-Tyrosine	%	0.58	0.48	-	1.04	0.43	0.81		0.17	1.7	0.14	1.4	
Tyrosine	%	0.2	0.16	-	0.12	0.14	0.23		0.06	0.6	0.05	0.5	
Valine	%	0.48	0.39	-	1.3	0.49	0.68		0.14	1.4	0.11	1.1	
Carbs		42							12	120	0	0	
Fat	%	8	5	-	8.5	5.5	8.5		2.29	22.9	1.43	14.3	
Linoleic acid	%	1	1	-	1.3	1.1	1.3		0.29	2.9	0.29	2.9	
AIA					0.08	0.44	0.08		0	0	0	0	
Arachidonic							0.03		0	0	0	0	
epa/dha					0.05	0.044	0.05		0	0	0	0	
Minerals									0	0	0	0	
Calcium	%	1	0.6	2.5	0.8	0.4	1.2		0.29	2.9	0.17	1.7	0.71
Phosphorous	%	0.8	0.5	1.6	0.5	0.3	1		0.23	2.3	0.14	1.4	0.46
Ca:P ratio	%	1:01	1:01	2:01					0.01	0.1	0.01	0.1	0.02
Potassium	%	0.6	0.6	-	0.36	0.4	0.44		0.17	1.7	0.17	1.7	
Sodium	%	0.3	0.06	-	0.2	0.08	0.022		0.09	0.9	0.02	0.2	
Chloride (Cl)	%	0.45	0.09	-	0.3	0.12	0.029		0.13	1.3	0.03	0.3	

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	DM Basis	Minimum	Minimum					g/100 Kcal	Units per 100 Kcal	Units/1000Kcal	/100 Kcal	/1000Kcal	/100 kcal
Manganese	mg/kg	5	5	-	7.2	0.48	5.6		1.43	14.3	1.43	14.3	
Zinc	mg/kg	120	120	1,000.00	96	60	100		34.29	342.9	34.29	342.9	285.71
Iodine	mg/kg	1.5	1.5	50	0.88	0.88	0.88		0.43	4.3	0.43	4.3	14.29
Selenium	mg/kg	0.11	0.11	2	0.35	0.35	0.35		0.03	0.3	0.03	0.3	0.57
Vitamins									0	0	0	0	
Vitamin A	IU/kg	5,000.00	5,000.00	250,000.00	5050	4040	5050	IU/100Kcal	1428.57	14285.7	1428.57	14285.7	71428.57
Vitamin D	IU/kg	500	500	5,000.00	552	552	552		142.86	1428.6	142.86	1428.6	1428.57
Vitamin E	IU/kg	50	50	1,000.00	30	30	30		14.29	142.9	14.29	142.9	285.71
Vitamin B1 (thiamine)	mg/kg	1	1	-	2.25	2.25	1.38	mg/100Kcal	0.29	2.9	0.29	2.9	
Vitamin B2 (riboflavin)	mg/kg	2.2	2.2	-	5.3	5.3	5.3		0.63	6.3	0.63	6.3	
Vitamin B5 (pantothenic acid)	mg/kg	10	10	-	15	15	15		2.86	28.6	2.86	28.6	
Vitamin B3 (niacin)	mg/kg	11.4	11.4	-	17	17	17		3.26	32.6	3.26	32.6	
Vitamin B6 (pyridoxine)	mg/kg	1	1	-	1.5	1.5	1.5		0.29	2.9	0.29	2.9	
Folic Acid	mg/kg	0.18	0.18	-	0.27	0.27	0.27		0.05	0.5	0.05	0.5	
Vitamin B12 (cyanocobalamin)	mg/kg	0.022	0.022	-	0.035	0.035	0.035		0.01	0.1	0.01	0.1	
Choline	mg/kg	1200	1200		1700	1700	100		342.86	3428.6	342.86	3428.6	

AAFCO CAT REQUIREMENTS

Nutrient	Units DN	AAFCO Growth & Reproduction Minimum	NRC Maintenance	NRC Gestation	NRC Lactation	NRC Growth	AAFCO Adult Maintenance Minimum	Max	Units per 1000 kcal ME	AAFCO Growth & Reproduction Minimum	AAFCO Adult Maintenance Minimum ²	AAFCO Max	NRC Main	NRC Gestation ⁴	NRC Lactation ⁵	NRC Growth
CP	%	30	20	21.3	30	22.3	26		g	75	65		50	53.25	75	55.75
Arginine	%	1.25	0.77	1.5	1.5	0.96	1.04		g	3.1	2.6		1.925	3.75	3.75	2.4
Histidine	%	0.31	0.26	0.43	0.71	0.33	0.31		g	0.078	0.078		0.65	1.075	1.775	0.825
Isoleucine	%	0.52	0.43	0.77	1.2	0.54	0.52		g	1.3	1.3		1.075	1.925	3	1.35
Leucine	%	1.25	1.02	1.8	2	1.28	1.25		g	3.1	3.1		2.55	4.5	5	3.2
Lysine	%	1.2	0.34	1.1	1.4	0.85	0.83		g	3	2.08		0.85	2.75	3.5	2.125
Meth-cystine	%	1.1	0.34	0.9	1.04	0.88	1.1		g	2.75	2.75		0.85	2.25	2.6	2.2
Methionine	%	0.62	0.17	0.5	0.6	0.44	0.62	1.5	g	1.55	1.55	3.75	0.425	1.25	1.5	1.1
Phenylalanine-tyrosine	%	0.88	1.5	1.9	1.9	1.9	0.88		g	2.2	2.2		3.75	4.75	4.75	4.75
Phenylalanine	%	0.42	0.4			0.5	0.42		g	1.05	1.05		1	0	0	1.25
Threonine	%	0.73	0.52	0.89	1.1	0.65	0.73		g	1.83	1.83		1.3	2.225	2.75	1.625
Tryptohan	%	0.25	0.13	0.19	0.19	0.16	0.16		g	0.63	0.4		0.325	0.475	0.475	0.4
taurine		.1-.2	0.04	0.053		0.04							0.1	0.1325	0	0.1
Valine	%	0.62	0.51	1		0.64	0.62		g	1.55	1.55		1.275	2.5	0	1.6
Crude Fat	%	9	9	9		9	9		g	22.5	22.5		22.5	22.5	0	22.5
Linoleic acid	%	0.5	0.55	0.55		0.55	0.5		g	1.25	1.25		1.375	1.375	0	1.375
ALA				0.02		0.02							0	0.05	0	0.05
EPA&DHA			0.01	0.01		0.01							0.025	0.025	0	0.025
Arachidonic acid	%	0.02	0.006	0.02		0.02	0.02		g	0.05	0.05		0.015	0.05	0	0.05
Minerals													0	0	0	0
Calcium	%	1	0.29	1.1		0.8	0.6		g	2.5	1.5		0.725	2.75	0	2
Phosphorus	%	0.8	0.26	0.76		0.72	0.5		g	2	1.25		0.65	1.9	0	1.8
Potassium	%	0.6	0.52	0.52		0.4	0.6		g	1.5	1.5		1.3	1.3	0	1
Sodium	%	0.2	0.068	0.26		0.14	0.2		g	0.5	0.5		0.17	0.65	0	0.35
Chloride	%	0.3	0.096	0.4		0.09	0.3		g	0.75	0.75		0.24	1	0	0.225
Magnesium	%	0.08	0.04	0.05		0.04	0.04		g	0.2	0.1		0.1	0.125	0	0.1

