Virtuous Vittles®

Bountiful Land

Nutritional Analysis

Date updated: September 15, 2025

Methodology: Tested by Midwest Labs on August 25 & September 15, 2025

	Unit	As fed	Dry weight	Per package	AAFCO nutrient profile for adult dog maintenance Min (% dry)	Max (% dry)
Macronutrients & Energy				354g		
Moisture	%	75.8	n/a		-	-
Protein	%	7.53	31.1	26.6 g	18.00	-
Fat	%	6.05	25	21.4 g	5.50	-
Fiber (crude)	%	0.29	1.2	1 g	-	-
Ash	%	1.07	4.4	5 g	-	-
Carbohydrates (calculated)	%	9.26	39.3	29 g	-	-
Total dietary fiber	%	1.55	7.5	5.5 g	-	-
Calorie Content (ME) (calculated)	kcal/kg	1,102/kg	-	390	-	-
% from protein	%	24	-	93		
% from fat	%	47	-	182		
% from carbohydrates	%	29	-	115		
Minerals						
Calcium	%	0.16	0.6	566 mg	0.50	2.50
Phosphorus	%	0.08	0.4	300 mg	0.40	1.60
Calcium:Phosphorus ratio	-	1.6	-	-	1:1	2:1
Sodium	%	0.1	0.4	354 mg	0.08	-
Potassium	%	0.17	0.7	600 mg	0.62	-
Chloride	%	0.25	1.2	885 mg	0.12	-
Magnesium	%	0.03	0.1	100 mg	0.06	-
Copper	ppm	2.1	8.7	0.74 mg	7.3	-
Iodine	ppm	1.22	5	0.43 mg	1.0	11.0
Iron	ppm	24	99	8.5 mg	40	-
Manganese	ppm	2.8	12	1 mg	5	-
Selenium	ppm	0.25	1	89 µg	0.35	2.0
Zinc	ppm	18.3	76	6.48 mg	82	-
Vitamins						
Vitamin A (beta-carotene)	IU/kg	13000	62000	4,600 IU	5,000	250,000
Vitamin D2 (ergocalciferol)	IU/kg	123	588	43.5 IU	500	3,000
Vitamin E (total)	IU/kg	49.1	235	17.4 IU	50	-
Thiamine	mg/kg	10.2	48.8	3.61 mg	2.3	-
Riboflavin (vitamin B2)	mg/kg	11.1	53.1	3.93 mg	5.2	-
Niacin (vitamin B3)	mg/kg	97.5	466	34.5 mg	13.6	-
Choline	mg/kg	1380	6600	489 mg	1,360	-
Pantothenic acid	mg/kg	13.7	65.6	4.85 mg	12.0	-
Pyridoxine (vitamin B6)	mg/kg	7.48	35.8	2.65 mg	1.50	-
Folic acid	mg/kg	5.61	26.8	2 mg	0.22	-
Cobalamin (vitamin B12)	mg/kg	0.018	0.086	6 µg	0.03	-

Nutritional Analysis (cont.)

					AAFCO nutrient profile for adult dog maintenance	
	Measure	**As measured**	**Dry weight**	**Per package**	Min (% dry)	Max (% dry)
Amino Acids						
Arginine	%	0.3	1.4	1060 mg	0.51	-
Histidine	%	0.13	0.6	460 mg	0.19	-
Isoleucine	%	0.24	1.2	850 mg	0.38	-
Leucine	%	0.4	1.2	1420 mg	0.68	-
Lysine	%	0.22	1.2	780 mg	0.63	-
Methionine	%	0.27	1.3	960 mg	0.33	-
Methionine + Cystine	%	0.35	1.7	1240 mg	0.65	-
Phenylalanine	%	0.29	1.4	1030 mg	0.45	-
Phenylalanine + Tyrosine	%	0.49	2.4	1730 mg	0.74	-
Threonine	%	0.16	0.8	570 mg	0.48	-
Tryptophan	%	0.05	0.2	180 mg	0.16	-
Valine	%	0.26	1.2	920 mg	0.49	-
Taurine	%	0.06	0.3	210 mg	-	-
Fatty Acids						
Omega 3 fatty acid	g/100g	0.04	-	142 mg	-	-
Omega 6 fatty acid	g/100g	0.5	-	1770 mg	-	-

Predicted urine pH = 6.7 (per Yamka and Mickelsen 2026: https://jarvm.com/articles/Vol4Iss4/YamkaUrine.pdf)

*AFFCO only provides guidelines for essential nutrients - ie. nutrients that adult dogs must get through their diet and cannot biosynthesize themselves. We have included some nutrients that are not considered essential by AAFCO (and thus do not have an AAFCO minimum) for additional transparency. AAFCO only defines maximum inclusion rates for some nutrients where safe upper limits has been established.

Note: Results reflect the results of samples from two batches of food. Not all nutrients were tested in each batch, and in some cases results reflect only one sample lot. Nutritional composition may vary within and between manufacturing runs. This document does not reflect a guaranteed nutritional profile for food purchased from Virtuous Vittles and is provided for informational purposes.