

Comparison of diet analysis against the Mars Petcare Essential Nutrition Specifications

Product Name : 1502329 - KM PEDIGREE Puppy Nutriderfense RL22

Product Details : Phosphorus adjustment 1502389_19 e 1502390_16 Batch: 421A3

Analysis Date : 8/5/2024

Species : Dog Life Stage : Puppy

Nutrient	Unit	per 1000 kcal PME		
		Diet Analysis per 1000 kcal	Mars Minimum allowance for Puppy	
Min	Max			
Proximates				
Starch	g	0		
Moisture	g	23.77		
Protein	g	71.03	62.5	
Fat	g	31.33	21.3	82.5
Ash	g	19.71		
Nitrogen Free Extract (NFE)	g	120.18		
Predicted				
Metabolisable Energy (PME)	Kcal	1000		
Crude Fibre	g	4.05		
Essential Fatty Acid				
Linoleic acid	g	0	3.3	16.3
Alpha Linolenic Acid	g	0	0.2	
DHA & EPA	g	0	0.13	
Arachidonic acid	g	0	0.08	16.3
Minerals				
Calcium (Ca)	g	3.75	3	4.5
Phosphorus (P)	g	2.7	2.5	
Ca:P		1.39	1	1.5
Sodium (Na)	g	0	0.55	3.75
Potassium (K)	g	0	1.1	
Magnesium (Mg)	mg	0	100	
Iron (Fe)	mg	0	22	355
Copper (Cu)	mg	0	2.7	37.5
Manganese (Mn)	mg	0	1.4	200
Zinc (Zn)	mg	0	25	125
Iodine (I)	mg	0	0.22	12.5
Selenium (Se)	ug	0	87.5	500
Chloride	g	0	0.72	5.625
Vitamins				
Vitamin A (retinol)	IU	0	1263	100000
Vitamin E (alpha tocopherol)	IU	0	7.5	
Thiamin (Vit B1)	mg	0	0.34	

LAB Results here		
Results reported by analytical chemistry		
Proximates		
Starch	g	8.8
Moisture	g	8.8
Protein	g	26.3
Fat	g	11.6
Ash	g	7.3
Nitrogen Free Extract (NFE)	g	44.5
Predicted		
Metabolisable Energy (PME)	Kcal	370.29
Crude Fibre	%	1.5
Essential Fatty Acid		
Linoleic acid	g	
Alpha Linolenic Acid	g	
DHA & EPA	g	
Arachidonic acid	g	
Minerals		
Calcium (Ca)	%	1.39
Phosphorus (P)	%	1
Ca:P		1.39
Sodium (Na)	%	
Potassium (K)	%	
Magnesium (Mg)	%	
Iron (Fe)	mg/kg	
Copper (Cu)	mg/kg	
Manganese (Mn)	mg/kg	
Zinc (Zn)	mg/kg	
Iodine (I)	mg/kg	
Selenium (Se)	mg/kg	
Chloride	%	
Vitamins		
Vitamin A (retinol)	IU/kg	
Vitamin E (alpha tocopherol)	mg/kg	

Riboflavin (Vit B2)	mg	0	1.32		Thiamin (Vit B1)	mg/kg	
Niacin Nicotinic acid	mg	0	4.25		Riboflavin (Vit B2)	mg/kg	
Pyridoxine (Vit B6)	mg	0	0.375		Niacin/Nicotinic acid	mg/kg	
Pantothenic acid	mg	0	3.75		Pyridoxine (Vit B6)	mg/kg	
Folic Acid	ug	0	68		Pantothenic acid	ug/g	
Cyanocobala min (Vit B12)	ug	0	8.75		Folic Acid	mg/kg	
Choline	mg	0	340	1675	Cyanocobalamin (Vit B12)	mg/kg	
Vitamin D3	IU	0	136	800	Choline	mg/kg	
Essential Amino acids					Essential Amino acids		
Arginine	g	0	2.04		Arginine	g	
Histidine	g	0	0.98		Histidine	g	
Isoleucine	g	0	1.63		Isoleucine	g	
Leucine	g	0	3.22		Leucine	g	
Lysine	g	0	2.2	7	Lysine	g	
Methionine	g	0	0.88	3.9	Methionine	g	
Cystine	g	0			Cystine	g	
Methionine + Cystine	g	0	1.75		Methionine + Cystine	g	0
Phenylalanine	g	0	1.63		Phenylalanine	g	
Tyrosine	g	0			Tyrosine	g	
Phenylalanine + Tyrosine	g	0	3.25		Phenylalanine + Tyrosine	g	0
Threonine	g	0	2.03		Threonine	g	
Tryptophan	g	0	0.58		Tryptophan	g	
Valine	g	0	1.7		Valine	g	