

# Comparison of diet analysis against the Mars Petcare Essential Nutrition Specifications

Product Name : 1502329 - KM PEDIGREE Puppy Nutrdefense RL22

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

Analysis Date : 8/5/2024

Species : **Dog** Life Stage : **Puppy**

		per 1000 kcal PME		
		Diet Analysis per 1000 kcal	Mars Minimum allowance for Puppy	
Nutrient	Unit		Min	Max
<b>Proximates</b>				
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		
<b>Essential Fatty Acid</b>				
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
<b>Minerals</b>				
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
<b>Vitamins</b>				
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		
<b>Proximates</b>		
Starch	g	
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
<b>Essential Fatty Acid</b>		
Linoleic acid	g	
Alpha Linolenic Acid	g	
DHA & EPA	g	
Arachidonic acid	g	
<b>Minerals</b>		
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	%	
<b>Vitamins</b>		
Vitamin A (retinol)	IU/kg	
Vitamin E ( alpha tocopherol)	mg/kg	

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

Thiamin (Vit B1)	mg/kg	
Riboflavin (Vit B2)	mg/kg	
Niacin/Nicotinic acid	mg/kg	
Pyridoxine (Vit B6)	mg/kg	
Pantothenic acid	ug/g	
Folic Acid	mg/kg	
Cyanocobalamin (Vit B12)	mg/kg	
Choline	mg/kg	
Vitamin D3	IU/kg	
Essential Amino acids		
Arginine	g	
Histidine	g	
Isoleucine	g	
Leucine	g	
Lysine	g	
Methionine	g	
Cystine	g	
Methionine + Cystine	g	0
Phenylalanine	g	
Tyrosine	g	
Phenylalanine + Tyrosine	g	0
Threonine	g	
Tryptophan	g	
Valine	g	