

# COVID19 EMERGENCY RECIPE

## *Puppy Recipe 2*

Formulated for Puppy Development

AMOUNT			INGREDIENTS
1	4.1 ounce	→ 115 gram	Raw Chicken Feet
2	3.4 ounce	→ 95 gram	Raw Ground Beef, 80/20
3	3.4 ounce	→ 95 gram	Raw Chicken Thighs, Boneless & Skinless
4	1.9 ounce	→ 55 gram	Raw Chicken Hearts
5	1.3 ounce	→ 36 gram	Canned Pink Salmon
6	0.7 ounce	→ 20 gram	Raw Beef Liver
7	5.3 ounce	→ 150 gram	Cooked Regular Oats in Water, Unenriched
8	5.3 ounce	→ 150 gram	Cooked Sweet Potato
9	0.1 ounce	→ 2 gram	Fresh Ground Chia Seeds
10	2.0 capsules		Thorne Research BioMins with Iron & Copper
11	0.3 scoop		NOW Pure Kelp Powder
12	1.0 drop		NOW E-Oil



### RECIPE ANALYSIS – AS FED

Calories	1000 kcal
Weight	25.3 ounce
Weight	718 gram
Moisture	72.86%
Protein	11.55%
Fat	7.03%
Carbohydrate	7.12%
Ash	1.83%
Ca:P	1.22:1

### RECIPE ANALYSIS – DRY MATTER

Calories	1000 kcal
Weight	6.9 ounce
Weight	195 gram
Moisture	0.00%
Protein	42.56%
Fat	25.90%
Carbohydrate	26.23%
Ash	6.74%
Ca:P	1.22:1

### ESSENTIAL NUTRIENTS – AMINO ACIDS

NRC Essential Nutrient Guidelines for Puppy Development	RECIPE NUTRIENT AMOUNT	NRC RECOMMENDED ALLOWANCE
	Per 25oz (718g)	Per 1000kcal
Crude Protein	82.84 gram (g)	43.87 gram (g)
Arginine	3.87 gram (g)	1.65 gram (g)
Histidine	1.80 gram (g)	0.63 gram (g)
Isoleucine	3.01 gram (g)	1.25 gram (g)
Leucine	4.9 gram (g)	2.05 gram (g)
Lysine	4.96 gram (g)	1.75 gram (g)
Methionine	1.59 gram (g)	0.65 gram (g)
Methionine + Cystine	2.44 gram (g)	1.33 gram (g)
Phenylalanine	2.69 gram (g)	1.25 gram (g)
Phenylalanine + Tyrosine	4.79 gram (g)	2.5 gram (g)
Threonine	2.68 gram (g)	1.58 gram (g)
Tryptophan	0.67 gram (g)	0.45 gram (g)
Valine	3.29 gram (g)	1.4 gram (g)

### ESSENTIAL NUTRIENTS – FATTY ACIDS

NRC Essential Nutrient Guidelines for Puppy Development	RECIPE NUTRIENT AMOUNT	NRC RECOMMENDED ALLOWANCE
	Per 25oz (718g)	Per 1000kcal
Total Fat	50.48 gram (g)	21.33 gram (g)
Linoleic Acid (LA)	3.34 gram (g)	3.31 gram (g)
Alpha-Linolenic Acid (ALA)	0.45 gram (g)	0.20 gram (g)
Arachidonic Acid (AA)	0.56 gram (g)	0.08 gram (g)
Eicosapentaenoic + Docosahexaenoic Acid (EPA+DHA)	0.41 gram (g)	0.13 gram (g)

### ESSENTIAL NUTRIENTS – VITAMINS

NRC Essential Nutrient Guidelines for Puppy Development	RECIPE NUTRIENT AMOUNT	NRC RECOMMENDED ALLOWANCE
	Per 25oz (718g)	Per 1000kcal
Vitamin A	2467.07 microgram (mcg)	379.00 microgram (mcg)
Vitamin D	5.27 microgram (mcg)	3.40 microgram (mcg)
Vitamin E	30.87 milligram (mg)	7.50 milligram (mg)
Vitamin K	0.01 milligram (mg)	0.41 milligram (mg)
Vitamin B1 (Thiamine)	0.53 milligram (mg)	0.56 milligram (mg)
Vitamin B2 (Riboflavin)	1.52 milligram (mg)	1.30 milligram (mg)
Vitamin B3 (Niacin)	20.37 milligram (mg)	4.25 milligram (mg)
Vitamin B5 (Pantothenic Acid)	6.50 milligram (mg)	3.75 milligram (mg)
Vitamin B6 (Pyridoxine)	1.58 milligram (mg)	0.38 milligram (mg)
Vitamin B9 (Folate & Folic acid)	138.13 microgram (mcg)	67.50 microgram (mcg)
Vitamin B12 (Cobalamin)	19.83 microgram (mcg)	8.75 microgram (mcg)
Choline	182.60 milligram (mg)	425.00 milligram (mg)

### ESSENTIAL NUTRIENTS – MINERALS

NRC Essential Nutrient Guidelines for Puppy Development	RECIPE NUTRIENT AMOUNT	NRC RECOMMENDED ALLOWANCE
	Per 25oz (718g)	Per 1000kcal
Calcium	2.21 gram (g)	3.00 gram (g)
Phosphorus	1.81 gram (g)	2.50 gram (g)
Magnesium	334.35 milligram (mg)	100.16 milligram (mg)

Potassium	1.80 gram (g)	1.10 gram (g)
Sodium	1094.30 milligram (mg)	550.86 milligram (mg)
Chloride	1641.45 milligram (mg)	721.13 milligram (mg)
Iron	20.14 milligram (mg)	22.03 milligram (mg)
Copper	3.15 milligram (mg)	2.70 milligram (mg)
Zinc	25.27 milligram (mg)	25.04 milligram (mg)
Manganese	3.82 milligram (mg)	1.40 milligram (mg)
Selenium	118.84 microgram (mcg)	87.64 microgram (mcg)
Iodine	210.00 microgram (mcg)	220.35 microgram (mcg)

#### RECIPE ANALYSIS NOTES

Vitamin K	Dogs also have the ability to create Vitamin K in the colon through fiber fermentation and the recipe is 0.40mg short of Vitamin K. This is not to say feeding Vitamin K is not beneficial; but the diet does not need to provide 100% daily recommended allowances to support optimal health. Adding additional fiber based vegetables to the recipe will provide insoluble fiber to support this fermentation process.
Choline	High protein diets with sufficient levels of Folic Acid reduces the need for Choline and the recipe is 156.89mg short of Choline recommended allowance (RA). When the diet provides enough amino acids and Folic Acid, Choline is created in the liver. This is not to say feeding Choline is not beneficial; but the diet does not need to provide 100% daily recommended allowances to support optimal health.
Calcium	The recipe meets NRC's minimum requirements for Calcium but the recipe is 0.79g short of the recommended allowance (RA) for Calcium. Calcium is an essential nutrient needed for optimal health; and therefore ensuring the diet meets minimum level requirements is recommended. This recipe meets NRC's mins for Calcium.  This recipe's Calcium amount is has been purposely decreased to maintain a balanced between Calcium & Phosphorous. The Calcium levels within this recipe does meet FEDIAF recommendations for puppies 14 weeks and older.
Phosphorous	NRC does not have an established minimum requirement for Phosphorous. Therefore this recipe is low in Phosphorous according to NRC's recommendations. However, the amount of Phosphorous in this recipe exceeds FEDIAF's recommended guidelines for Phosphorous. This recipe's Phosphorous levels follow FEDIAF recommendations for puppies 14 weeks and older.
Iron	The recipe meets NRC's minimum requirements for Iron but the recipe is 1.84mg short of the recommended allowance (RA) for Iron. Iron is an essential nutrient needed for optimal health; and therefore ensuring the diet meets minimum level requirements is recommended. This recipe meets NRC's mins for Iron.
Iodine	The recipe is 10.35mcg short of the recommended allowance (RA) for Iodine to account for the small amounts of Iodine found within the other foods being fed - specifically fish.