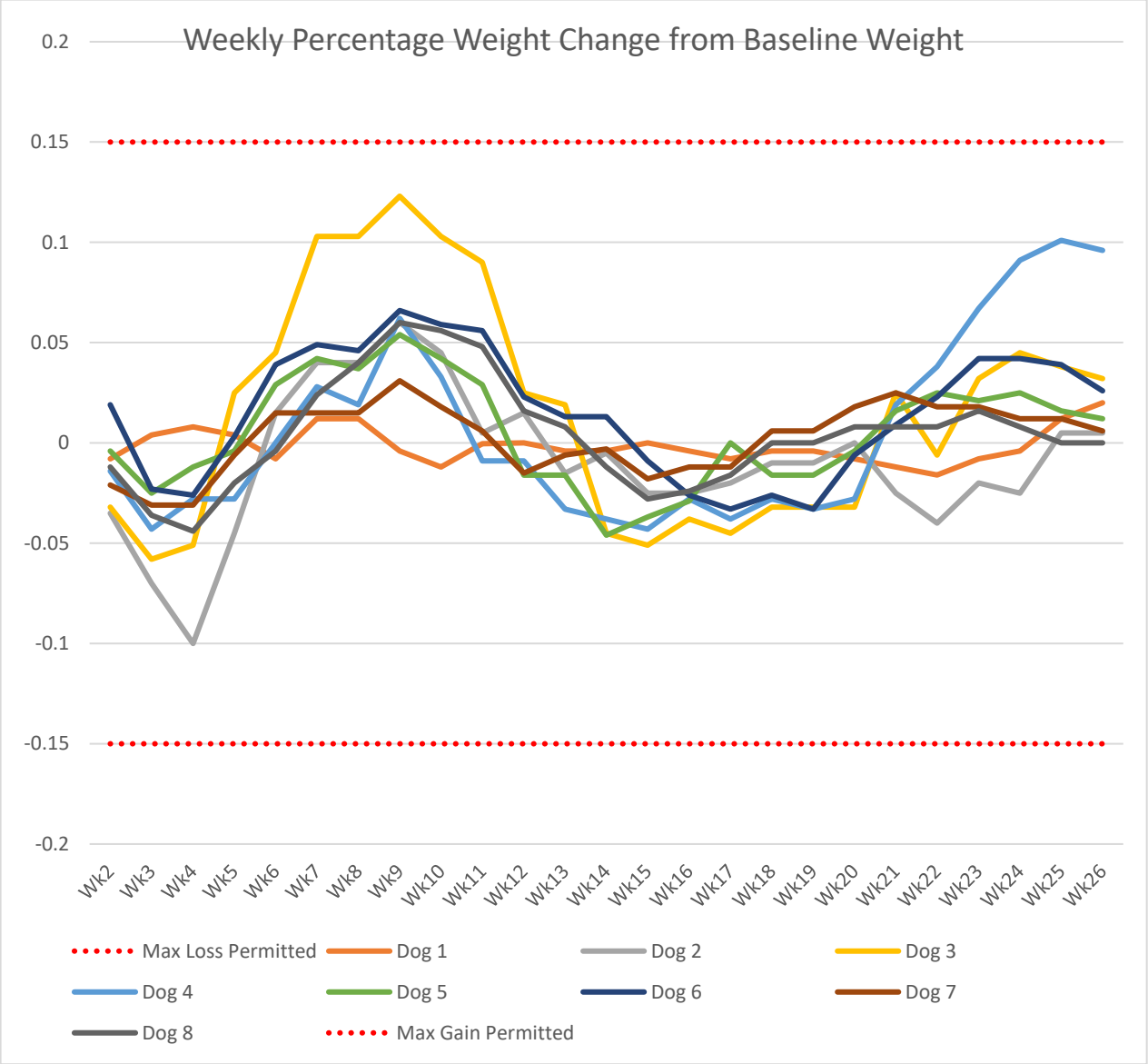
Product Used for Study

Item	Control Diet (Purina ONE)	Test Diet (FP Vital Complete)
ME (kcal/g)	1.167	1.720
Protein	68.55	98.83
Fat	59.98	58.13
Carbohydrate	22.87	11.62
Moisture (%)	78%	65%

Ingredients:
Control diet: Chicken, chicken broth, liver, pork lungs, brown rice, oat meal, carrots, spinach, egg product, potassium chloride, salt, calcium carbonate, zinc sulfate, ferrous sulfate, copper sulfate, manganese sulfate, potassium iodide, sodium selenite, carrageenan, guar gum, locust bean gum, Vitamin E, Vitamin B-3, Vitamin B-1, Vitamin B-5, Vitamin B-6, Vitamin B-12, Vitamin B-2, Vitamin A, folic acid, Vitamin D-3, Vitamin B-7
Test diet: chicken, chicken liver, beef, salmon, pea protein, eggs, natural flavors, cranberries, spinach, pea fiber, salt, carrageenan, vinegar, beta-carotene, potassium chloride, celery powder, choline chloride, Vitamin E supplement, niacin, calcium pantothenate, biotin, riboflavin, thiamine mononitrate, Vitamin B12 supplement, Vitamin D supplement, pyridoxine hydrochloride, folic acid, zinc proteinate, iron proteinate, manganese proteinate, copper proteinate, sodium selenite, calcium iodate



Dog	Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7	Wk8	Wk9	Wk10	Wk11	Wk12	Wk13	Wk14
1	24.7	-0.8	0.4	0.8	0.4	-0.8	1.2	1.2	-0.4	-1.2	-0.4	0	-0.4	-0.4
2	20.0	-3.5	-7.0	-10.0	-4.5	1.5	4.0	4.0	6.0	4.5	0.5	1.5	-1.5	-0.5
3	15.4	-3.2	-5.8	-5.1	2.5	4.5	10.3	10.3	12.3	10.3	9.0	2.5	1.9	-4.5
4	20.7	-1.4	-4.3	-2.8	-2.8	0	2.8	1.9	6.2	3.3	-0.9	-0.9	-3.3	-3.8
5	23.7	-0.4	-2.5	-1.2	-0.4	2.9	4.2	3.7	5.4	4.2	2.9	-1.6	-1.6	-4.6
6	30.3	-1.9	-2.3	-2.6	0.3	3.9	4.9	4.6	6.6	5.9	5.6	2.3	1.3	1.3
7	32	-2.1	-3.1	-3.1	-0.6	1.5	1.5	1.5	3.1	1.8	0.6	-1.5	-0.6	-0.3
8	24.8	-1.2	-3.6	-4.4	-2.0	-0.4	2.4	4.0	6.0	5.6	4.8	1.6	0.8	-1.2

Dog	Wk15	Wk16	Wk17	Wk18	Wk19	Wk20	Wk21	Wk22	Wk23	Wk24	Wk25	Wk26
1	0	-0.4	-0.8	-0.4	-0.4	-0.8	-1.2	-1.6	-0.8	-0.4	1.2	2.0
2	-2.5	-2.5	-2	-1	-1	0	-2.5	-4	-2	-2.5	0.5	0.5
3	-5.1	-3.8	-4.5	-3.2	-3.2	-3.2	2.5	-0.6	3.2	4.5	3.8	3.2
4	-4.3	-2.8	-3.8	-2.8	-3.3	-2.8	1.9	3.8	6.7	9.1	10.1	9.6
5	-3.7	-2.9	0	-1.6	-1.6	-0.4	1.6	2.5	2.1	2.5	1.6	1.2
6	-0.9	-2.6	-3.3	-2.6	-3.3	-0.6	0.9	2.3	4.2	4.2	3.9	2.6
7	-1.8	-1.2	-1.2	0.6	0.6	1.8	2.5	1.8	1.8	1.2	1.2	0.6
8	-2.8	-2.4	-1.6	0	0	0.8	0.8	0.8	1.6	0.8	0	0

Ending Blood Values

3A. Control group: Ending hemoglobin, hematocrit (PCV), albumin, and alkaline phosphatase

Dog	**Hemoglobin**	**PCV**	**Albumin**	**Alk Phos**
1	17.5	52.3	3.2	41
2	18.6	55.3	3.7	33
3	17	51.5	3.5	48
4	20.3	57.5	3.5	27
5	17.2	51.5	3.3	46
6	18.6	54.2	3.4	27
7	18	54.1	3.2	55
8	16.9	51.6	3.5	32
Average	**18.01**	**53.50**	**3.41**	**38.62**

3B. Test group: Ending hemoglobin, hematocrit (PCV), albumin, and alkaline phosphatase

Dog	**Hemoglobin**	**PCV**	**Albumin**	**Alk Phos**
1	19.3	58	3.3	37
2	17.2	51.5	3.6	38
3	18.9	56.4	3.6	23
4	17.6	51.8	3.2	26
5	18.6	54.8	3.5	49
6	18.7	55	3.4	40
7	17.7	52.3	3.2	27
8	18.5	54.7	3	51
Average	**18.31**	**54.31**	**3.35**	**36.37**

All blood values within the test group were within normal reference ranges. Since all blood value within the parameters determined by AAFCO for adult maintenance, the test diet passed this portion of the protocol.

AAFCO Adult Maintenance Trial Requirements:

The hemoglobin, packed cell volume (PCV), albumin, and alkaline phosphatase be measured and recorded at the end of the feeding trial. The average final hemoglobin, PCV, albumin and alkaline phosphatase shall not be less the:

Hemoglobin – 14.0 g/dL (no individual < 12.0 g/dL)
PCV – 42% (no individual < 36%)
Albumin – 2.8 g/dL (no individual < 2.4 g/dL)
Alkaline Phosphatase – 150 IU/L (no individual >300 IU/L)

Ending Blood Taurine Levels

Test group (Freshpet): Ending plasma and whole blood taurine levels

Dog	Plasma taurine	Whole blood taurine
1	155	331
2	130	298
3	150	348
4	115	332
5	94	265
6	108	278
7	88	258
8	114	298
Average	**119.25**	**301.0**

Control group: Ending plasma and whole blood taurine levels

Dog	Plasma taurine	Whole blood taurine
1	61	334
2	59	287
3	68	292
4	88	251
5	76	322
6	110	286
7	110	283
8	50	284
Average	**77.75**	**292.75**

Normal Taurine Values (nMol/ml) for Dogs

Plasma		**Whole Blood**	
Normal range	No Known sign of deficiency	Normal range	No Known sign of deficiency
60-120	>40	200-350	>150