



AAFCO
Proficiency Testing Program



Pet Food Ingredient Scheme

Field Peas

Test Material Code # 201942

Analyte Summary Report

Labs Reporting: 58

Analytes Reported: 89

Issue Date : 06/30/2019

Analyte Group Code	Analyte and Method	Total # Tests Submitted	# Tests in Robust Calcs	Raw Mean	Raw SD	Assigned Value Robust Mean	AAFCO PT ffp - Robust sd	Uncertainty (U) Robust	% RSD - Robust	Average Range (R-bar)	Horwitz %RSD
001	Loss on Drying (%)	28	28	9.481	0.4212	9.516	0.3707	0.0876	3.90%	0.0697	2.85%
002	Protein, Crude (%)	58	57	21.48	0.4205	21.54	0.2333	0.0386	1.08%	0.1426	2.15%
003	Fat, Crude (%)	37	36	1.491	0.2751	1.484	0.2759	0.0575	18.58%	0.1331	3.77%
004	Fiber, Crude (%)	30	29	5.189	0.7515	5.292	0.4971	0.1154	9.39%	0.1985	3.11%
005	Ash (%)	49	47	2.514	0.1528	2.510	0.1333	0.0243	5.31%	0.1083	3.48%
006	Total Sugars (%)	2	2	5.098	2.748						
008	Fiber, Acid Detergent (%)	13	12	6.928	0.6211	6.973	0.5926	0.2138	8.50%	0.2448	2.99%
009	Fiber, Neutral Detergent (%)	12	12	12.55	4.032	11.87	2.825	1.019	23.80%	0.2893	2.76%
010	Moisture (%)	4	3	9.763	0.5090	9.763	0.5090	0.2939	5.21%	0.0483	2.84%
011	Loss on Drying (%)	25	25	9.925	0.4810	10.01	0.3469	0.0867	3.47%	0.1593	2.83%
012	Starch (%)	10	10	35.97	13.09	38.15	8.762	3.464	22.97%	0.5531	1.62%
013	Fat, Acid Pretreat (%)	26	25	2.376	0.4485	2.359	0.3623	0.0906	15.36%	0.1793	3.51%
015	Aluminum (mg / kg (ppm))	7	7	20.54	4.806	20.54	5.450	2.575	26.54%	0.9605	10.15%
017	Boron (mg / kg (ppm))	4	3	7.845	0.1719	7.845	0.1719	0.0992	2.19%	0.0396	11.73%
019	Calcium (%)	39	38	0.0886	0.0152	0.0909	0.0075	0.0015	8.21%	0.0035	5.74%
021	Cobalt (mg / kg (ppm))	10	8	0.6338	0.2910	0.6338	0.3300	0.1458	52.07%	0.0266	17.13%
022	Copper (mg / kg (ppm))	33	32	7.037	1.415	6.780	0.8661	0.1914	12.77%	0.3887	11.99%
025	Iron (mg / kg (ppm))	30	30	69.92	8.223	68.87	6.079	1.387	8.83%	3.439	8.46%
027	Magnesium (%)	40	39	0.1116	0.0081	0.1121	0.0055	0.0011	4.88%	0.0030	5.56%
028	Manganese (mg / kg (ppm))	34	33	12.29	2.101	12.20	1.024	0.2228	8.39%	0.4884	10.98%
031	Phosphorus (%)	38	38	0.2711	0.0194	0.2691	0.0147	0.0030	5.48%	0.0067	4.87%
032	Potassium (%)	34	34	0.8805	0.0569	0.8779	0.0435	0.0093	4.96%	0.0245	4.08%
033	Salt as chloride (%)	10	10	0.2079	0.2523	0.1380	0.0354	0.0140	25.67%	0.0021	5.39%
034	Selenium (mg / kg (ppm))	12	11	0.4558	0.1953	0.4393	0.1555	0.0586	35.41%	0.0495	18.11%
035	Sodium (%)	26	21	0.0108	0.0083	0.0099	0.0071	0.0019	72.03%	0.0011	8.02%
036	Sulfur (%)	16	15	0.1780	0.0156	0.1769	0.0151	0.0049	8.51%	0.0027	5.19%
037	Zinc (mg / kg (ppm))	34	33	39.70	3.812	39.93	3.404	0.7408	8.53%	1.586	9.18%
038	Molybdenum (mg / kg (ppm))	10	9	4.751	0.7253	4.667	0.6091	0.2538	13.05%	0.0900	12.69%
040	Barium (mg / kg (ppm))	1	1	3.418							
041	Vanadium (mg / kg (ppm))	1	1	0.0555							

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042	Chloride (%)	1	1	0.0940							
101	Choline Chloride (mg / kg (ppm))	4	4	1,262	268.5	1,262	268.5	134.2	21.28%	54.00	5.46%
102	Niacin (mg / kg (ppm))	1	1	1.980							
103	Pantothenic Acid (mg / kg (ppm))	1	1	0.8205							
104	Riboflavin (mg / kg (ppm))	1	1	2.165							
105	Thiamine (mg / kg (ppm))	3	3	9.507	1.879	9.507	1.879	1.085	19.77%	0.3000	11.40%
109	Vitamin E (IU / kg)	1	1	3.900							
112	Pyridoxine (µg / g)	2	2	0.9225	0.8804						
120	Alanine (%)	10	10	0.9219	0.0523	0.9214	0.0583	0.0230	6.33%	0.0197	4.05%
121	Arginine (%)	10	10	1.825	0.1240	1.832	0.0807	0.0319	4.41%	0.0454	3.65%
122	Aspartic (%)	10	10	2.476	0.1487	2.476	0.1671	0.0660	6.75%	0.0666	3.49%
124	Cysteine/Cystine (%)	10	10	0.2781	0.0482	0.2781	0.0547	0.0216	19.66%	0.0180	4.85%
125	Glutamic (%)	9	9	3.679	0.1839	3.663	0.1692	0.0705	4.62%	0.1025	3.29%
126	Glycine (%)	9	9	0.9383	0.0326	0.9336	0.0245	0.0102	2.63%	0.0219	4.04%
127	Histidine (%)	10	10	0.5266	0.0432	0.5241	0.0431	0.0170	8.23%	0.0125	4.41%
128	Isoleucine (%)	10	10	0.8872	0.0475	0.8872	0.0538	0.0213	6.07%	0.0251	4.07%
129	Leucine (%)	10	10	1.547	0.0432	1.539	0.0261	0.0103	1.69%	0.0300	3.75%
130	L-Lysine (%)	11	11	1.578	0.0801	1.574	0.0400	0.0151	2.54%	0.0325	3.74%
131	Methionine (%)	9	9	0.1915	0.0586	0.2036	0.0321	0.0134	15.77%	0.0106	5.08%
132	Phenylalanine (%)	10	10	1.035	0.0458	1.031	0.0426	0.0168	4.13%	0.0143	3.98%
133	Proline (%)	10	10	0.8930	0.0535	0.8879	0.0479	0.0189	5.39%	0.0306	4.07%
134	Serine (%)	10	10	1.033	0.0854	1.034	0.0626	0.0247	6.06%	0.0356	3.98%
135	Threonine (%)	11	11	0.8085	0.0516	0.8089	0.0484	0.0182	5.98%	0.0256	4.13%
136	Tryptophan (%)	8	8	0.1799	0.0330	0.1797	0.0371	0.0164	20.66%	0.0125	5.18%
137	Tyrosine (%)	8	8	0.6312	0.0493	0.6284	0.0493	0.0218	7.84%	0.0278	4.29%
138	Valine (%)	10	10	1.015	0.0412	1.013	0.0339	0.0134	3.35%	0.0299	3.99%
139	Taurine (%)	3	3	0.1227	0.0583	0.1227	0.0583	0.0337	47.53%	0.0380	5.48%
160	Fructose (%)	2	1	0.0150							
162	Glucose (%)	2	1	0.0945							
163	Lactose (%)	2		0.0000							
164	Maltose (%)	1		0.1500							
165	Sucrose (%)	2	2	2.698	0.2086						
166	Raffinose (%)	1	1	0.7180							
167	Stachyose (%)	1	1	2.275							
365	Monensin (mg/kg (ppm))	1	1	25.05							
400	Water Activity (Units)	2	2	0.4207	0.0146						
516	Arsenic, Total (mg / kg (ppm))	5	3	0.0281	0.0273	0.0281	0.0273	0.0158	97.05%	0.0062	22.00%
518	Cadmium (mg / kg (ppm))	6	4	0.0142	0.0011	0.0142	0.0011	0.0007	8.04%	0.0018	22.00%
520	Chromium (mg / kg (ppm))	7	6	1.383	0.4790	1.383	0.5432	0.2772	39.28%	0.0545	15.24%
526	Lead (mg / kg (ppm))	4	2	0.0110	0.0004	0.0110	0.0004	0.0002	3.20%	0.0014	22.00%

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539	Nickel (mg / kg (ppm))	4	4	1.882	0.2066	1.882	0.2066	0.1033	10.98%	0.0703	14.54%
710	Lauric Acid (12:0) (% (w/w))	2		0.0100							
714	Myristic Acid (14:0) (% (w/w))	2		0.0100							
716	Palmitic Acid (16:0) (% (w/w))	2	2	0.2800	0.0495						
718	Palmitoleic Acid (9c-16:1) (% (w/w))	2		0.0100							
722	Stearic Acid (18:0) (% (w/w))	1	1	0.0800							
724	Oleic Acid (9c-18:1) (% (w/w))	2	2	0.5400	0.0000						
726	Linoleic Acid (9c,12c-18:2) (% (w/w))	2	2	0.9475	0.0601						
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (% (w/w))	2	2	0.1825	0.0177						
740	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5) (% (w/w))	1		0.0100							
742	Behenic Acid (22:0) (% (w/w))	1		0.0200							
750	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6) (% (w/w))	1		0.0100							
754	Total n-3 Polyunsaturated (Omega-3) Fatty Acids (% (w/w))	2	2	0.1900	0.0212						
756	Total n-6 Polyunsaturated (Omega-6) Fatty Acids (% (w/w))	2	2	0.9575	0.0743						
758	Total Saturated Fatty Acids (% (w/w))	1	1	0.4500							
762	Total Monounsaturated Fatty Acids (% (w/w))	1	1	0.5800							
766	Total Polyunsaturated Fatty Acids (% (w/w))	1	1	1.090							
770	Total Fat (equivalent to NLEA) (% (w/w))	1	1	2.225							
772	Total Fatty Acids (% (w/w))	2	2	2.115	0.0212						

Notes: Robust statistics not used if < 6 labs reporting, in this case means and SD's may be reported based on Raw Data with obvious blunders removed.