



AAFCO
Proficiency Testing Program



Pet Food Scheme

Flaxseed Meal

Test Material Code # 201742

Analyte Summary Report

Analytes Reported: 96

Labs Reporting: 56

Issue Date : 07/31/2017

Analyte Group Code	Analyte and Method	Total # Tests Submitted	# Tests in Robust Calcs	Raw Mean	Raw SD	Assigned Value - Robust Mean	AAFCO PT fp - Robust sd	Uncertainty (U) Robust	% RSD - Robust	Average Range (R-bar)	Horwitz %RSD
001	Loss on Drying (%)	22	21	6.6297	0.51814	6.7118	0.38260	0.10436	5.70%	0.13164	3.00%
002	Protein (%)	56	56	21.144	0.75699	21.127	0.34174	0.05708	1.62%	0.21998	2.18%
003	Fat (%)	31	30	34.232	6.0342	34.828	3.9965	0.91207	11.48%	0.36144	1.69%
004	Fiber (%)	19	19	12.773	7.2676	12.773	8.2415	2.3634	64.52%	0.42256	2.73%
005	Ash (%)	45	42	3.3998	0.09144	3.3953	0.08296	0.01600	2.44%	0.07789	3.33%
006	Total sugars (%)	5	5	2.2551	0.92942	2.2551	0.92942	0.41565	41.21%	0.08060	3.54%
008	Fiber (%)	8	8	14.249	6.6762	14.249	7.5708	3.3458	53.13%	0.66745	2.65%
009	Fiber (%)	8	8	23.745	6.2428	23.745	7.0793	3.1287	29.81%	0.80140	2.05%
010	Moisture (%)	7	7	7.0901	0.52335	7.0524	0.50403	0.23813	7.15%	0.08217	2.98%
011	Loss on Drying (%)	25	25	6.6670	0.44535	6.6687	0.49957	0.12489	7.49%	0.12944	3.01%
012	Starch (%)	8	7	4.7046	9.7508	1.5604	2.0534	0.97013	131.59%	0.19859	3.74%
013	Fat (%)	30	29	38.176	5.9426	39.179	3.7788	0.87714	9.65%	0.83738	1.60%
014	Fiber, total dietary TDF (%)	3	3	24.357	3.1719	24.357	3.1719	1.8313	13.02%	2.3600	2.03%
015	Aluminum (mg / kg (ppm))	2	2	5.8250	2.5102						
017	Boron (mg / kg (ppm))	3	3	17.533	4.2621	17.533	4.2621	2.4607	24.31%	0.60000	10.40%
019	Calcium (%)	39	38	0.24674	0.02574	0.24843	0.02229	0.00452	8.97%	0.00811	4.93%
021	Cobalt (mg / kg (ppm))	5	5	0.25001	0.01992	0.25001	0.01992	0.00891	7.97%	0.01266	19.71%
022	Copper (mg / kg (ppm))	32	31	12.188	2.3417	12.003	1.4557	0.32682	12.13%	0.63048	11.01%
024	Iodine (mg / kg (ppm))	3									
025	Iron (mg / kg (ppm))	29	29	59.826	10.986	58.810	6.1253	1.4218	10.42%	3.1481	8.66%
027	Magnesium (%)	36	35	0.37386	0.02273	0.37598	0.01770	0.00374	4.71%	0.00949	4.63%
028	Manganese (mg / kg (ppm))	34	34	27.098	3.2853	27.186	2.0810	0.44611	7.65%	1.0866	9.73%
031	Phosphorus (%)	37	37	0.57970	0.04389	0.58161	0.03135	0.00644	5.39%	0.01552	4.34%
032	Potassium (%)	36	36	0.69114	0.04104	0.69281	0.03570	0.00744	5.15%	0.01647	4.23%
033	Salt as chloride (%)	8	7	0.25391	0.51190	0.08113	0.07961	0.03761	98.13%	0.00444	5.84%
034	Selenium (mg / kg (ppm))	11	11	0.55634	0.30099	0.50705	0.20048	0.07556	39.54%	0.07135	17.72%
035	Sodium (%)	28	27	0.02447	0.00716	0.02300	0.00387	0.00093	16.83%	0.00116	7.06%
036	Sulfur (%)	12	12	0.20687	0.01016	0.20688	0.01080	0.00390	5.22%	0.00526	5.07%
037	Zinc (mg / kg (ppm))	33	32	43.235	7.5170	42.560	4.5109	0.99677	10.60%	1.4742	9.10%
038	Molybdenum (mg / kg (ppm))	4	4	0.39288	0.03127	0.39288	0.03127	0.01564	7.96%	0.03025	18.41%

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042	Chloride (%)	3	3	0.07750	0.09456	0.07750	0.09456	0.05459	122.01%	0.10433	5.88%
101	Choline Chloride (mg / kg (ppm))	2	2	674.25	300.17						
102	Niacin (mg / kg (ppm))	3	3	30.000	4.1500	30.000	4.1500	2.3960	13.83%	1.8667	9.59%
103	Pantothenic Acid (mg / kg (ppm))	1	1	7.0000							
104	Riboflavin (mg / kg (ppm))	4	4	2.5125	0.57789	2.5125	0.57789	0.28895	23.00%	0.17000	13.93%
105	Thiamine (mg / kg (ppm))	4	4	5.1938	1.0576	5.1938	1.0576	0.52880	20.36%	0.28250	12.48%
106	Vitamin A (KU / kg)	5	2	0.23925	0.24926	0.23925	0.24926	0.17625	104.18%	0.00450	
107	Vitamin B12 (µg / kg (ppb))	2	1	1.8000							
108	Vitamin D3 (KU / kg)	6	1								
109	Vitamin E (IU/kg)	6	3	13.478	16.929	13.478	16.929	12.218	125.60%	2.9967	
112	Pyridoxine (µg / g)	2	2	2,437.2	3,440.5						
114	Biotin (mg / kg (ppm))	2	2	0.30700	0.00212						
115	Non Protein N (NPN) (%)	1	1	0.43000							
120	Alanine (%)	9	9	0.96650	0.04341	0.96050	0.03336	0.01390	3.47%	0.01107	4.02%
121	Arginine (%)	9	9	2.0335	0.09459	2.0335	0.10727	0.04469	5.27%	0.02940	3.59%
122	Aspartic (%)	9	9	1.9985	0.09100	1.9828	0.06049	0.02520	3.05%	0.02071	3.61%
124	Cysteine/Cystine (%)	9	9	0.34633	0.02990	0.34676	0.03297	0.01374	9.51%	0.01096	4.69%
125	Glutamic (%)	9	9	3.9764	0.23794	3.9703	0.23097	0.09624	5.82%	0.04767	3.25%
126	Glycine (%)	9	9	1.2779	0.05622	1.2852	0.03868	0.01612	3.01%	0.01746	3.85%
127	Histidine (%)	9	9	0.43301	0.02631	0.43488	0.02539	0.01058	5.84%	0.00913	4.53%
128	Isoleucine (%)	9	9	0.88846	0.04097	0.88846	0.04646	0.01936	5.23%	0.01074	4.07%
129	Leucine (%)	9	9	1.2246	0.03188	1.2223	0.02793	0.01164	2.28%	0.01128	3.88%
130	L-Lysine (%)	10	9	0.82233	0.05849	0.82920	0.04895	0.02040	5.90%	0.01991	4.11%
131	Methionine (%)	10	9	0.39175	0.01195	0.39206	0.01286	0.00536	3.28%	0.00734	4.61%
132	Phenylalanine (%)	8	8	1.0119	0.06114	1.0104	0.06582	0.02909	6.51%	0.01036	3.99%
133	Proline (%)	9	8	0.75879	0.05002	0.75879	0.05672	0.02507	7.48%	0.00905	4.17%
134	Serine (%)	9	9	0.93894	0.17737	0.97557	0.09728	0.04053	9.97%	0.02023	4.01%
135	Threonine (%)	10	10	0.79575	0.08129	0.80562	0.05178	0.02047	6.43%	0.01274	4.13%
136	Tryptophan (%)	7	7	0.33246	0.07978	0.33512	0.08434	0.03985	25.17%	0.01043	4.72%
137	Tyrosine (%)	9	8	0.51284	0.06057	0.51300	0.06831	0.03019	13.32%	0.00770	4.42%
138	Valine (%)	9	8	1.0367	0.03331	1.0377	0.03551	0.01569	3.42%	0.01148	3.98%
139	Taurine (%)	4	2	0.05308	0.05929	0.05308	0.05929	0.04192	111.70%	0.00115	6.22%
160	Fructose (%)	4	1								
161	Galactose (%)	3	1								
162	Glucose (%)	4	1								
163	Lactose (%)	4									
164	Maltose (%)	4	1								
165	Sucrose (%)	5	5	1.3983	0.29126	1.3983	0.29126	0.13026	20.83%	0.04340	3.80%

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400	Water activity (Units)	3	3	0.54105	0.03389	0.54105	0.03389	0.01957	6.26%	0.00157	
516	Arsenic, total (mg / kg (ppm))	2	1	0.00400							
518	Cadmium (mg / kg (ppm))	5	5	0.44570	0.11458	0.44570	0.11458	0.05124	25.71%	0.02900	18.07%
520	Chromium (mg / kg (ppm))	2	2	0.20000	0.10607						
526	Lead (mg / kg (ppm))	4	4	0.29479	0.50355	0.29479	0.50355	0.25178	170.82%	0.07758	19.23%
539	Nickel (mg / kg (ppm))	3	3	0.91933	0.06543	0.91933	0.06543	0.03778	7.12%	0.04733	16.20%
710	Lauric Acid (12:0) (% (w/w))	2		0.00000							
714	Myristic Acid (14:0) (% (w/w))	1	1	0.01000							
716	Palmitic Acid (16:0) (% (w/w))	2	2	2.0000	0.10607						
718	Palmitoleic Acid (9c-16:1) (% (w/w))	3	3	0.02100	0.00361	0.02100	0.00361	0.00208	17.19%	0.00333	
722	Stearic Acid (18:0) (% (w/w))	2	2	1.2675	0.09546						
724	Oleic Acid (9c-18:1) (% (w/w))	2	2	7.1950	0.33941						
726	Linoleic Acid (9c,12c-18:2) (% (w/w))	3	3	6.8912	0.63170	6.8912	0.63170	0.36471	9.17%	0.07767	
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (% (w/w))	4	3	22.342	6.9451	22.342	6.9451	4.0098	31.09%	0.73420	
730	Arachidic Acid (20:0) (% (w/w))	1	1	0.07500							
732	Gondoic Acid (11c-20:1) (% (w/w))	2	2	11.853	16.677						
736	Arachidonic Acid (5c,8c,11c,14c-20:4) (% (w/w))	2		0.00000							
740	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5) (% (w/w))	2	1	0.01400							
742	Behenic Acid (22:0) (% (w/w))	1	1	0.05500							
746	Docosapentaenoic Acid n-3 DPA (DHA)7c,10c,13c,16c,19c-22:5) (% (w/w))	2		0.00000							
748	Lignoceric Acid (24:0) (% (w/w))	1	1	0.06000							
750	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c,22c-24:6) (% (w/w))	2		0.00000							
754	Total n-3 Polyunsaturated (Omega-3) Fatty Acids	5	5	22.455	4.9923	22.455	4.9923	2.2326	22.23%	0.51892	
756	Total n-6 Polyunsaturated (Omega-6) Fatty Acids	4	4	6.3833	1.2181	6.3833	1.2181	0.60905	19.08%	0.16048	
758	Total Saturated Fatty Acids (% (w/w))	3	3	2.9623	0.59769	2.9623	0.59769	0.34508	20.18%	0.06133	
762	Total Monounsaturated Fatty Acids (% (w/w))	3	3	6.2551	1.2280	6.2551	1.2280	0.70899	19.63%	0.23833	
766	Total Polyunsaturated Fatty Acids (% (w/w))	3	3	25.322	3.8300	25.322	3.8300	2.2113	15.13%	0.79880	
772	Total Fatty Acids (% (w/w))	1	1	41.470							

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.