



**AAFCO**  
Proficiency Testing Program



**Pet Food Scheme**

**Analyte Summary Report**

**# Analytes Reported: 86**

**Canola Meal**

**# Labs Reporting: 57**

**Test Material Code # 201741**

**Issue Date : 04/30/2017**

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 (%)	18	17	3.9870	0.33045	3.9583	0.26757	0.08112	6.76%	0.07559	3.25%
002	Protein (%)	57	56	32.897	0.35019	32.937	0.26676	0.04456	0.81%	0.18932	1.74%
003	Fat (%)	31	30	8.8299	0.48092	8.9262	0.24342	0.05555	2.73%	0.15413	2.88%
004	Fiber (%)	32	32	12.926	1.8079	13.077	1.5704	0.34701	12.01%	0.54983	2.72%
005	Ash (%)	46	44	6.7682	0.18362	6.7743	0.15492	0.02919	2.29%	0.05167	3.00%
006	Total sugars (%)	4	4	8.0904	1.4413	8.0904	1.4413	0.72065	17.81%	0.13330	2.92%
008	Fiber (%)	13	13	21.585	1.8902	21.458	1.4906	0.51677	6.95%	0.76337	2.16%
009	Fiber (%)	10	9	27.809	2.3508	27.824	2.0257	0.84405	7.28%	0.64789	1.90%
010	Moisture (%)	7	7	3.9006	0.56220	3.9006	0.63753	0.30121	16.34%	0.09529	3.26%
011	Loss on Drying (%)	30	29	4.7329	0.55303	4.7682	0.34275	0.07956	7.19%	0.19582	3.16%
012	Starch (%)	11	11	1.7977	1.8125	1.6128	1.6469	0.62069	102.11%	0.18478	3.72%
013	Fat (%)	29	29	10.686	0.82744	10.767	0.74208	0.17225	6.89%	0.26119	2.80%
014	Fiber, total dietary TDF (%)	1	1	32.100							
017	Boron (mg / kg (ppm))	1	1	19.000							
019	Calcium (%)	36	35	0.79437	0.05894	0.80109	0.04897	0.01035	6.11%	0.02310	4.14%
021	Cobalt (mg / kg (ppm))	1	1	0.17000							
022	Copper (mg / kg (ppm))	29	28	6.0834	0.86477	5.9828	0.62432	0.14748	10.44%	0.32066	12.22%
024	Iodine (mg / kg (ppm))	2		0.00000							
025	Iron (mg / kg (ppm))	32	31	100.01	13.768	98.812	8.7924	1.9739	8.90%	3.1984	8.01%
027	Magnesium (%)	35	34	0.49284	0.02863	0.49552	0.02229	0.00478	4.50%	0.01593	4.45%
028	Manganese (mg / kg (ppm))	32	31	76.848	5.9826	77.438	5.1846	1.1640	6.70%	2.3446	8.31%
031	Phosphorus (%)	35	35	1.1364	0.06928	1.1453	0.04843	0.01023	4.23%	0.02782	3.92%
032	Potassium (%)	33	33	1.3264	0.09332	1.3378	0.07046	0.01533	5.27%	0.02915	3.83%
033	Salt as chloride (%)	6	6	0.08632	0.04666	0.08632	0.05292	0.02700	61.30%	0.00700	5.78%
034	Selenium (mg / kg (ppm))	9	8	0.37298	0.11784	0.36377	0.11160	0.04932	30.68%	0.01651	18.63%
035	Sodium (%)	23	17	0.00689	0.00543	0.00629	0.00477	0.00144	75.82%	0.00168	8.58%
036	Sulfur (%)	11	11	0.65316	0.03691	0.64994	0.03380	0.01274	5.20%	0.02625	4.27%
037	Zinc (mg / kg (ppm))	32	31	56.425	6.9382	57.151	3.7423	0.84018	6.55%	2.5839	8.70%
038	Molybdenum (mg / kg (ppm))	2	2	1.1925	0.13081						
042	Chloride (%)	2	2	0.06950	0.00141						

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101	Choline Chloride (mg / kg (ppm))	3	3	3,323.3	2,193.8	3,323.3	2,193.8	1,266.6	66.01%	93.333	4.72%
102	Niacin (mg / kg (ppm))	1	1	162.50							
103	Pantothenic Acid (mg / kg (ppm))	1	1	5.7650							
104	Riboflavin (mg / kg (ppm))	2	2	4.2475	0.91570						
105	Thiamine (mg / kg (ppm))	1	1	3.7000							
106	Vitamin A (KU / kg)	4	2	0.87775	0.39209	0.87775	0.39209	0.27725	44.67%	0.03150	
108	Vitamin D3 (KU / kg)	5									
109	Vitamin E (IU/kg)	5	5	415.03	790.76	415.03	790.76	353.64	190.53%	41.140	
113	Folic Acid (mg / kg (ppm))	1	1	0.98800							
120	Alanine (%)	6	6	1.4704	0.02202	1.4704	0.02498	0.01275	1.70%	0.01095	3.77%
121	Arginine (%)	7	6	1.9001	0.09036	1.9001	0.10246	0.05229	5.39%	0.02773	3.63%
122	Aspartic (%)	6	6	2.3961	0.03448	2.3961	0.03910	0.01995	1.63%	0.07067	3.51%
124	Cysteine/Cystine (%)	6	6	0.82101	0.20658	0.76237	0.08052	0.04109	10.56%	0.01658	4.17%
125	Glutamic (%)	6	6	5.5324	0.18575	5.5153	0.16945	0.08647	3.07%	0.08453	3.09%
126	Glycine (%)	6	6	1.6802	0.05828	1.6943	0.02985	0.01523	1.76%	0.01435	3.69%
127	Histidine (%)	7	7	0.86285	0.07731	0.87312	0.06217	0.02937	7.12%	0.02570	4.08%
128	Isoleucine (%)	7	6	1.3062	0.07902	1.3062	0.08961	0.04573	6.86%	0.03387	3.84%
129	Leucine (%)	7	7	2.2903	0.06056	2.2882	0.06397	0.03023	2.80%	0.03769	3.53%
130	L-Lysine (%)	8	8	1.7678	0.14533	1.7994	0.07794	0.03444	4.33%	0.04660	3.66%
131	Methionine (%)	6	6	0.64268	0.07459	0.64268	0.08459	0.04317	13.16%	0.02030	4.27%
132	Phenylalanine (%)	7	7	1.3449	0.04747	1.3449	0.05383	0.02543	4.00%	0.02907	3.83%
133	Proline (%)	6	6	1.9865	0.08574	1.9865	0.09723	0.04962	4.89%	0.03942	3.61%
134	Serine (%)	6	6	1.3995	0.08097	1.4082	0.07080	0.03613	5.03%	0.02012	3.80%
135	Threonine (%)	6	6	1.4911	0.04788	1.4943	0.04655	0.02376	3.12%	0.02837	3.77%
136	Tryptophan (%)	7	7	0.42794	0.06407	0.42794	0.07265	0.03433	16.98%	0.01886	4.54%
137	Tyrosine (%)	6	6	0.91534	0.11886	0.91534	0.13479	0.06879	14.73%	0.02488	4.05%
138	Valine (%)	7	6	1.6625	0.12378	1.6625	0.14036	0.07163	8.44%	0.02952	3.71%
139	Taurine (%)	3	3	0.21155	0.17167	0.21155	0.17167	0.09911	81.15%	0.00083	5.05%
160	Fructose (%)	2	2	0.15075	0.06965						
161	Galactose (%)	2		0.00000							
162	Glucose (%)	2	2	0.29975	0.00035						
163	Lactose (%)	2		0.00000							
164	Maltose (%)	2		0.00000							
165	Sucrose (%)	4	4	6.9398	0.29278	6.9398	0.29278	0.14639	4.22%	0.08423	2.99%
400	Water activity (Units)	3	3	0.23807	0.02894	0.23807	0.02894	0.01671	12.16%	0.00460	
516	Arsenic, total (mg / kg (ppm))	2	1	0.01550							
518	Cadmium (mg / kg (ppm))	2	2	0.03425	0.01591						
520	Chromium (mg / kg (ppm))	2	2	0.12000	0.00707						

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526	Lead (mg / kg (ppm))	1	1	0.01300							
539	Nickel (mg / kg (ppm))	1	1	1.2650							
710	Lauric Acid (12:0) (% (w/w))	2	1	0.00200							
714	Myristic Acid (14:0) (% (w/w))	1	1	0.01050							
716	Palmitic Acid (16:0) (% (w/w))	1	1	0.66700							
718	Palmitoleic Acid (9c-16:1) (% (w/w))	2	2	0.06900	0.00424						
722	Stearic Acid (18:0) (% (w/w))	1	1	0.16650							
724	Oleic Acid (9c-18:1) (% (w/w))	1	1	5.6140							
726	Linoleic Acid (9c,12c-18:2) (% (w/w))	2	2	2.4568	0.10076						
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (% (w/w))	2	2	0.90525	0.01945						
740	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5) (% (w/w))	2	1	0.08100							
750	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6) (% (w/w))	1	1	0.00300							
754	Total n-3 Polyunsaturated (Omega-3) Fatty Acids	3	3	0.94167	0.05530	0.94167	0.05530	0.03193	5.87%	0.01667	
756	Total n-6 Polyunsaturated (Omega-6) Fatty Acids	3	3	2.5483	0.12848	2.5483	0.12848	0.07418	5.04%	0.03667	
758	Total Saturated Fatty Acids (% (w/w))	1	1	0.73860							
762	Total Monounsaturated Fatty Acids (% (w/w))	1	1	5.2991							
766	Total Polyunsaturated Fatty Acids (% (w/w))	1	1	2.6855							
772	Total Fatty Acids (% (w/w))	1	1	10.180							

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.