



AAFCO
Proficiency Testing Program



Pet Food Scheme

Analyte Summary Report

Analytes Reported: 85

Oat Flour

Labs Reporting: 55

Test Material Code # 201644

Issue Date : 01/31/2017

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 (%)	17	16	9.4222	0.20121	9.4222	0.22817	0.07130	2.42%	0.08786	2.85%
002	Protein (%)	53	51	12.927	0.39097	12.969	0.28556	0.04998	2.20%	0.16544	2.72%
003	Fat (%)	31	31	5.5844	0.95950	5.6492	0.50284	0.11289	8.90%	0.19218	3.08%
004	Fiber (%)	31	30	1.3315	0.34220	1.3307	0.24791	0.05658	18.63%	0.11452	3.83%
005	Ash (%)	45	43	1.8523	0.27286	1.8199	0.07852	0.01497	4.31%	0.05519	3.66%
006	Total sugars (%)	4	4	1.2238	0.17036	1.2238	0.17036	0.08518	13.92%	0.05250	3.88%
008	Fiber (%)	14	13	1.8761	0.50485	1.8621	0.54135	0.18768	29.07%	0.18821	3.64%
009	Fiber (%)	10	10	9.5908	5.0481	8.5431	2.6227	1.0367	30.70%	0.34935	2.90%
010	Moisture (%)	8	8	9.2738	0.53810	9.3224	0.49254	0.21768	5.28%	0.08913	2.86%
011	Loss on Drying (%)	27	26	9.6805	0.31372	9.7129	0.26329	0.06454	2.71%	0.15689	2.84%
012	Starch (%)	10	10	58.892	4.4654	58.744	4.7301	1.8697	8.05%	0.97623	1.30%
013	Fat (%)	23	23	6.5953	0.44361	6.5991	0.46635	0.12155	7.07%	0.19646	3.01%
014	Fiber, total dietary TDF (%)	2	2	9.3350	0.33234						
015	Aluminum (mg / kg (ppm))	2	2	5.1500	4.5962						
019	Calcium (%)	39	38	0.05436	0.00846	0.05336	0.00548	0.00111	10.26%	0.00235	6.22%
021	Cobalt (mg / kg (ppm))	1	1	0.00200							
022	Copper (mg / kg (ppm))	29	29	3.3487	0.80112	3.2804	0.58660	0.13616	17.88%	0.21066	13.38%
024	Iodine (mg / kg (ppm))	3									
025	Iron (mg / kg (ppm))	31	30	37.316	6.4719	36.040	2.7961	0.63811	7.76%	2.2453	9.33%
027	Magnesium (%)	36	35	0.13521	0.00765	0.13483	0.00664	0.00140	4.93%	0.00536	5.41%
028	Manganese (mg / kg (ppm))	35	34	36.883	2.2217	36.902	2.3114	0.49551	6.26%	1.3481	9.29%
031	Phosphorus (%)	40	39	0.41394	0.02560	0.41479	0.02476	0.00496	5.97%	0.01097	4.57%
032	Potassium (%)	36	35	0.38456	0.03345	0.38832	0.02421	0.00512	6.23%	0.01142	4.61%
033	Salt as chloride (%)	9	8	0.07688	0.02811	0.07679	0.03170	0.01401	41.28%	0.00380	5.89%
034	Selenium (mg / kg (ppm))	8	7	0.20301	0.05577	0.19719	0.04908	0.02319	24.89%	0.00861	20.42%
035	Sodium (%)	24	21	0.00880	0.01150	0.00624	0.00677	0.00185	108.54%	0.00194	8.59%
036	Sulfur (%)	13	12	0.18656	0.01320	0.18643	0.01469	0.00530	7.88%	0.00365	5.15%
037	Zinc (mg / kg (ppm))	34	33	26.836	7.8317	25.534	3.4459	0.74981	13.50%	1.9190	9.82%
038	Molybdenum (mg / kg (ppm))	7	7	0.60757	0.04829	0.60757	0.05476	0.02587	9.01%	0.02571	17.24%
042	Chloride (%)	4	4	0.04788	0.01260	0.04788	0.01260	0.00630	26.32%	0.00025	6.32%

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101	Choline Chloride (mg / kg (ppm))	3	3	1,359.7	486.52	1,359.7	486.52	280.89	35.78%	48.667	5.40%
102	Niacin (mg / kg (ppm))	3	3	11.250	0.84113	11.250	0.84113	0.48563	7.48%	1.0333	11.11%
103	Pantothenic Acid (mg / kg (ppm))	3	3	3.8300	0.64900	3.8300	0.64900	0.37470	16.95%	0.18667	13.07%
104	Riboflavin (mg / kg (ppm))	4	4	1.8213	0.79971	1.8213	0.79971	0.39986	43.91%	0.07750	14.62%
105	Thiamine (mg / kg (ppm))	4	4	4.9400	0.88435	4.9400	0.88435	0.44218	17.90%	0.31000	12.58%
106	Vitamin A (KU / kg)	3									
107	Vitamin B12 (µg / kg (ppb))	2		0.00000							
108	Vitamin D3 (KU / kg)	4									
109	Vitamin E (IU/kg)	4	4	6.6438	3.5740	6.6438	3.5740	1.7870	53.79%	0.88750	
112	Pyridoxine (µg / g)	3	3	1.3650	0.50786	1.3650	0.50786	0.29321	37.21%	0.57000	
113	Folic Acid (mg / kg (ppm))	3	3	81.223	140.10	81.223	140.10	80.887	172.49%	3.3420	8.25%
114	Biotin (mg / kg (ppm))	2	2	0.25500	0.01414						
120	Alanine (%)	9	9	0.59041	0.03692	0.59195	0.03686	0.01536	6.23%	0.00599	4.33%
121	Arginine (%)	10	9	0.88688	0.06127	0.88700	0.06320	0.02633	7.13%	0.01367	4.07%
122	Aspartic (%)	9	9	1.0192	0.03822	1.0252	0.02727	0.01136	2.66%	0.01057	3.98%
124	Cysteine/Cystine (%)	9	8	0.40672	0.03023	0.40948	0.02758	0.01219	6.74%	0.00381	4.57%
125	Glutamic (%)	9	9	2.5910	0.08267	2.6086	0.04336	0.01807	1.66%	0.02336	3.46%
126	Glycine (%)	9	9	0.63354	0.03126	0.63590	0.02978	0.01241	4.68%	0.00998	4.28%
127	Histidine (%)	10	9	0.31879	0.08757	0.29652	0.03201	0.01334	10.79%	0.00681	4.80%
128	Isoleucine (%)	10	10	0.47743	0.03238	0.47917	0.03264	0.01290	6.81%	0.01622	4.47%
129	Leucine (%)	10	9	0.92176	0.02805	0.92176	0.03181	0.01325	3.45%	0.00997	4.05%
130	L-Lysine (%)	9	9	0.52909	0.07893	0.52909	0.08951	0.03730	16.92%	0.01107	4.40%
131	Methionine (%)	9	9	0.22112	0.01527	0.22086	0.01272	0.00530	5.76%	0.00401	5.02%
132	Phenylalanine (%)	10	10	0.65136	0.03763	0.64576	0.02754	0.01089	4.27%	0.00769	4.27%
133	Proline (%)	9	9	0.68854	0.04510	0.68103	0.03091	0.01288	4.54%	0.01481	4.24%
134	Serine (%)	9	9	0.61333	0.04006	0.61333	0.04543	0.01893	7.41%	0.01216	4.31%
135	Threonine (%)	10	10	0.42792	0.02352	0.43197	0.01766	0.00698	4.09%	0.00736	4.54%
136	Tryptophan (%)	7	7	0.17838	0.01825	0.17838	0.02070	0.00978	11.60%	0.00870	5.18%
137	Tyrosine (%)	9	9	0.42514	0.10149	0.43281	0.09668	0.04028	22.34%	0.00814	4.54%
138	Valine (%)	8	8	0.57786	0.22024	0.64051	0.06457	0.02854	10.08%	0.01310	4.28%
139	Taurine (%)	4	3	0.07622	0.10513	0.07622	0.10513	0.06070	137.93%	0.00110	5.89%
160	Fructose (%)	2	1	0.02050							
161	Galactose (%)	2		0.00000							
162	Glucose (%)	2	1	0.01475							
163	Lactose (%)	2		0.00000							
164	Maltose (%)	2		0.00000							
165	Sucrose (%)	5	5	1.0640	0.05237	1.0640	0.05237	0.02342	4.92%	0.02800	3.96%
400	Water activity (Units)	2	2	0.45333	0.00944						

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516	Arsenic, total (mg / kg (ppm))	2	1	0.00400							
518	Cadmium (mg / kg (ppm))	2	2	0.02853	0.02620						
520	Chromium (mg / kg (ppm))	2	2	0.07000	0.07778						
526	Lead (mg / kg (ppm))	1		0.00500							
539	Nickel (mg / kg (ppm))	2	2	1.4350	0.19092						
710	Lauric Acid (12:0) (% (w/w))	1		0.00000							
714	Myristic Acid (14:0) (% (w/w))	1	1	0.01255							
716	Palmitic Acid (16:0) (% (w/w))	1	1	0.90950							
718	Palmitoleic Acid (9c-16:1) (% (w/w))	1	1	0.01100							
722	Stearic Acid (18:0) (% (w/w))	1	1	0.07010							
724	Oleic Acid (9c-18:1) (% (w/w))	1	1	1.7890							
726	Linoleic Acid (9c,12c-18:2) (% (w/w))	1	1	2.4075							
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (% (w/w))	1	1	0.07605							
740	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5) (% (w/w))	1		0.00000							
750	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6) (% (w/w))	1		0.00000							
754	Total n-3 Polyunsaturated (Omega-3) Fatty Acids	4									
756	Total n-6 Polyunsaturated (Omega-6) Fatty Acids	4	4	2.7131	0.54347	2.7131	0.54347	0.27174	20.03%	0.04225	

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.