



AAFCO
Proficiency Testing Program



Animal Feed Scheme

Dry Dog Food

Test Material Code # 201721

Analyte Summary Report

Analytes Reported: 92

Labs Reporting: 187

Issue Date : 02/28/2017

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
000	Urea (%)	1	1	0.20000							
001	Loss on Drying (%)	71	71	6.1028	0.55627	6.1465	0.22194	0.03292	3.61%	0.12188	3.04%
002	Protein (%)	188	188	28.469	2.1491	28.718	0.39574	0.03608	1.38%	0.22018	1.87%
003	Fat (%)	117	117	8.8467	1.2651	8.6043	0.27302	0.03155	3.17%	0.15385	2.89%
004	Fiber (%)	106	106	3.8114	0.68456	3.7577	0.49416	0.06000	13.15%	0.12628	3.28%
005	Ash (%)	124	124	6.0075	0.57158	5.9903	0.10462	0.01174	1.75%	0.06852	3.06%
006	Total sugars (%)	5	5	1.2212	0.54914	1.2212	0.54914	0.24558	44.97%	0.13958	3.88%
008	Fiber (%)	57	57	5.4157	0.97052	5.3558	0.95738	0.15851	17.88%	0.27172	3.11%
009	Fiber (%)	43	43	10.399	2.6033	10.395	1.8851	0.35934	18.14%	0.37890	2.81%
010	Moisture (%)	21	21	6.2195	0.41556	6.2572	0.37350	0.10188	5.97%	0.13901	3.04%
011	Loss on Drying (%)	75	75	6.5099	0.42372	6.5635	0.22214	0.03206	3.38%	0.12516	3.01%
012	Starch (%)	29	29	34.033	2.8844	34.250	2.1575	0.50080	6.30%	0.74873	1.71%
013	Fat (%)	73	73	11.940	1.3328	11.966	0.62452	0.09137	5.22%	0.27512	2.75%
014	Fiber, total dietary TDF (%)	1	1	10.550							
015	Aluminum (mg / kg (ppm))	11	11	57.370	17.634	58.883	16.227	6.1160	27.56%	2.2648	8.66%
017	Boron (mg / kg (ppm))	14	12	2.5292	0.74183	2.4856	0.63299	0.22841	25.47%	0.32667	13.95%
019	Calcium (%)	133	133	80.982	921.26	1.1002	0.06908	0.00749	6.28%	0.70411	3.94%
021	Cobalt (mg / kg (ppm))	15	15	0.81681	0.27781	0.80381	0.28411	0.09169	35.35%	0.05561	16.53%
022	Copper (mg / kg (ppm))	77	77	29.142	91.401	18.763	1.7390	0.24773	9.27%	2.0697	10.29%
023	Fluorine (mg / kg (ppm))	1	1	23.850							
025	Iron (mg / kg (ppm))	75	74	475.05	1,544.0	284.69	21.307	3.0961	7.48%	367.61	6.83%
027	Magnesium (%)	85	85	13.619	124.30	0.12704	0.00849	0.00115	6.68%	0.10989	5.46%
028	Manganese (mg / kg (ppm))	79	78	92.282	79.060	83.214	5.0423	0.71366	6.06%	2.4816	8.22%
031	Phosphorus (%)	126	126	55.667	614.19	0.95297	0.04624	0.00515	4.85%	26.342	4.03%
032	Potassium (%)	88	88	72.633	674.64	0.66022	0.03893	0.00519	5.90%	1.4613	4.26%
033	Salt as chloride (%)	48	48	1.1842	0.19723	1.2196	0.09111	0.01644	7.47%	0.01895	3.88%
034	Selenium (mg / kg (ppm))	17	17	0.81740	0.33691	0.79654	0.26897	0.08154	33.77%	0.06512	16.55%
035	Sodium (%)	93	92	40.286	382.44	0.41438	0.02970	0.00387	7.17%	0.71419	4.57%
036	Sulfur (%)	38	38	188.62	808.79	0.36409	0.03143	0.00637	8.63%	6.1667	4.66%
037	Zinc (mg / kg (ppm))	75	75	352.84	415.49	287.26	17.889	2.5820	6.23%	25.562	6.82%

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038	Molybdenum (mg / kg (ppm))	17	17	0.97114	0.76785	0.82224	0.21916	0.06644	26.65%	0.08226	16.47%
040	Barium (mg / kg (ppm))	3	3	5.3439	0.59169	5.3439	0.59169	0.34161	11.07%	0.12933	12.43%
042	Chloride (%)	5	5	1.9490	2.4077	1.9490	2.4077	1.0768	123.54%	0.01800	3.62%
101	Choline Chloride (mg / kg (ppm))	4	4	1,919.4	834.45	1,919.4	834.45	417.23	43.47%	143.49	5.13%
102	Niacin (mg / kg (ppm))	1	1	149.50							
103	Pantothenic Acid (mg / kg (ppm))	2	2	38.525	4.9851						
104	Riboflavin (mg / kg (ppm))	3	3	14.037	2.4849	14.037	2.4849	1.4347	17.70%	0.69333	10.75%
105	Thiamine (mg / kg (ppm))	4	4	24.108	4.7893	24.108	4.7893	2.3947	19.87%	1.3900	9.91%
106	Vitamin A (KU / kg)	23	23	20.956	7.5312	20.222	5.3410	1.3921	26.41%	1.5510	
107	Vitamin B12 (µg / kg (ppb))	1	1	145.00							
108	Vitamin D3 (KU / kg)	3	3	2.2130	2.6247	2.2130	2.6247	1.5154	118.60%	0.09400	
109	Vitamin E (IU/kg)	16	16	593.64	80.975	593.64	91.826	28.696	15.47%	12.709	
111	Vitamin C, phosphorylated (mg / kg (ppm))	1	1	92.450							
112	Pyridoxine (µg / g)	1	1	13.550							
113	Folic Acid (mg / kg (ppm))	1	1	3.3950							
114	Biotin (mg / kg (ppm))	3	3	0.75992	1.1716	0.75992	1.1716	0.67642	154.17%	0.00550	16.67%
120	Alanine (%)	26	26	1.8737	0.23254	1.9108	0.06062	0.01486	3.17%	0.03913	3.63%
121	Arginine (%)	26	26	1.5582	0.12521	1.5603	0.05382	0.01319	3.45%	0.03601	3.74%
122	Aspartic (%)	26	26	2.1296	0.11790	2.1450	0.06282	0.01540	2.93%	0.03577	3.57%
124	Cysteine/Cystine (%)	24	24	0.39927	0.06239	0.39555	0.02850	0.00727	7.20%	0.01547	4.60%
125	Glutamic (%)	26	26	4.7717	0.31809	4.8138	0.13355	0.03274	2.77%	0.06622	3.16%
126	Glycine (%)	26	26	1.7748	0.21570	1.8134	0.04612	0.01131	2.54%	0.03060	3.66%
127	Histidine (%)	26	26	0.60463	0.04404	0.60574	0.03822	0.00937	6.31%	0.01103	4.31%
128	Isoleucine (%)	26	26	1.0661	0.08906	1.0795	0.06072	0.01489	5.63%	0.02287	3.95%
129	Leucine (%)	26	26	2.6640	0.27304	2.7090	0.07445	0.01825	2.75%	0.04665	3.44%
130	L-Lysine (%)	27	27	1.5051	0.14918	1.5206	0.05383	0.01295	3.54%	0.02702	3.76%
131	Methionine (%)	25	25	0.53513	0.08951	0.55317	0.05183	0.01296	9.37%	0.01528	4.37%
132	Phenylalanine (%)	26	26	1.3176	0.10743	1.3291	0.04259	0.01044	3.20%	0.02968	3.83%
133	Proline (%)	24	24	1.9760	0.08201	1.9692	0.06786	0.01731	3.45%	0.05160	3.61%
134	Serine (%)	26	26	1.2389	0.11151	1.2529	0.06773	0.01660	5.41%	0.04505	3.87%
135	Threonine (%)	26	26	1.0102	0.08128	1.0210	0.03984	0.00977	3.90%	0.02780	3.99%
136	Tryptophan (%)	17	17	0.26256	0.03096	0.26120	0.01220	0.00370	4.67%	0.01106	4.90%
137	Tyrosine (%)	23	23	0.92286	0.11766	0.93878	0.09227	0.02405	9.83%	0.02434	4.04%
138	Valine (%)	26	26	1.3301	0.24456	1.3013	0.06056	0.01485	4.65%	0.03152	3.84%
139	Taurine (%)	10	10	0.11867	0.07685	0.11867	0.08714	0.03445	73.43%	0.00810	5.51%
160	Fructose (%)	3	3	0.18000	0.10210	0.18000	0.10210	0.05895	56.72%	0.01533	5.18%
161	Galactose (%)	1		0.00000							
162	Glucose (%)	3	3	0.20567	0.21405	0.20567	0.21405	0.12358	104.07%	0.00333	5.07%

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163	Lactose (%)	2		0.00000							
164	Maltose (%)	2	2	0.27950	0.04172						
165	Sucrose (%)	4	4	1.2791	1.2514	1.2791	1.2514	0.62570	97.83%	0.03325	3.85%
400	Water activity (Units)	9	9	0.31243	0.03710	0.31243	0.04208	0.01753	13.47%	0.00477	
516	Arsenic, total (mg / kg (ppm))	8	7	0.28631	0.10422	0.28631	0.11818	0.05584	41.28%	0.01321	19.31%
518	Cadmium (mg / kg (ppm))	7	7	0.03884	0.01181	0.04021	0.00825	0.00390	20.53%	0.00360	22.00%
520	Chromium (mg / kg (ppm))	7	7	4.3159	0.62195	4.3262	0.68173	0.32209	15.76%	0.21994	12.83%
526	Lead (mg / kg (ppm))	7	7	0.11857	0.04060	0.11300	0.02321	0.01097	20.54%	0.00677	22.00%
539	Nickel (mg / kg (ppm))	5	5	1.2474	0.27843	1.2474	0.27843	0.12452	22.32%	0.11248	15.47%
710	Lauric Acid (12:0) (%) (w/w)	2	2	0.00785	0.00304						
714	Myristic Acid (14:0) (%) (w/w)	1	1	0.23720							
716	Palmitic Acid (16:0) (%) (w/w)	1	1	2.2418							
718	Palmitoleic Acid (9c-16:1) (%) (w/w)	2	2	0.51995	0.01973						
722	Stearic Acid (18:0) (%) (w/w)	1	1	0.72220							
724	Oleic Acid (9c-18:1) (%) (w/w)	1	1	2.9332							
726	Linoleic Acid (9c,12c-18:2) (%) (w/w)	5	5	1.7736	0.92364	1.7736	0.92364	0.41306	52.08%	0.12384	
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (%) (w/w)	2	2	0.15638	0.00194						
736	Arachidonic Acid (5c,8c,11c,14c-20:4) (%) (w/w)	1	1	0.08700							
740	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5) (%) (w/w)	6	6	0.24108	0.05169	0.24108	0.05861	0.02991	24.31%	0.01022	
746	Docosapentaenoic Acid n-3 DPA (DHA)7c,10c,13c,16c,19c-22:5) (%) (w/w)	2	2	0.09475	0.07814						
750	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c,22c-24:6) (%) (w/w)	4	4	0.17366	0.04758	0.17366	0.04758	0.02379	27.40%	0.00253	
754	Total n-3 Polyunsaturated (Omega-3) Fatty Acids	8	8	1.3116	1.9184	0.67878	0.13502	0.05967	19.89%	0.04629	
756	Total n-6 Polyunsaturated (Omega-6) Fatty Acids	8	8	4.2698	5.6937	2.3363	0.30231	0.13360	12.94%	0.08859	
772	Total Fatty Acids (%) (w/w)	1	1	9.5098							

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.