



AAFCO
Proficiency Testing Program



Pet Food Scheme
Meat and Bone Meal

Analyte Summary Report

Analytes Reported: 86
Labs Reporting: 53
Issue Date : 10/31/2017

Test Material Code # 201743

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	5.1385	0.40861	5.1471	0.42922	0.13013	8.34%	0.08408	3.13%
002	Protein (%)	56	54	50.845	0.72926	50.814	0.66331	0.11283	1.31%	0.48266	1.40%
003	Fat (%)	32	32	9.3396	0.63202	9.3597	0.37115	0.08201	3.97%	0.14987	2.86%
004	Fiber (%)	29	29	2.1034	1.0094	1.9391	0.61131	0.14190	31.53%	0.19151	3.62%
005	Ash (%)	43	42	32.334	0.65076	32.390	0.45023	0.08684	1.39%	0.34160	1.76%
006	Total sugars (%)	2		0.00000							
008	Fiber (%)	8	8	4.2664	1.3759	4.2664	1.5603	0.68955	36.57%	0.11698	3.22%
009	Fiber (%)	7	7	33.605	5.6568	33.605	6.4148	3.0307	19.09%	1.2073	1.73%
010	Moisture (%)	9	9	5.3863	0.72027	5.3863	0.81678	0.34033	15.16%	0.08153	3.10%
011	Loss on Drying (%)	27	27	5.7804	0.30010	5.7970	0.25969	0.06247	4.48%	0.16482	3.07%
012	Starch (%)	4	4	0.51689	0.12528	0.51689	0.12528	0.06264	24.24%	0.03808	4.42%
013	Fat (%)	31	30	10.297	0.63080	10.350	0.45415	0.10365	4.39%	0.26680	2.81%
015	Aluminum (mg / kg (ppm))	1	1	74.500							
017	Boron (mg / kg (ppm))	1	1	1.0000							
019	Calcium (%)	33	32	11.622	0.86186	11.636	0.77869	0.17207	6.69%	0.36030	2.76%
021	Cobalt (mg / kg (ppm))	3	3	0.70585	0.81768	0.70585	0.81768	0.47209	115.84%	0.05990	16.86%
022	Copper (mg / kg (ppm))	26	26	9.9239	2.2840	9.6924	1.6956	0.41566	17.49%	0.77758	11.37%
024	Iodine (mg / kg (ppm))	1	1	1.6900							
025	Iron (mg / kg (ppm))	27	27	185.67	23.918	187.00	19.068	4.5870	10.20%	15.463	7.28%
027	Magnesium (%)	28	26	0.23395	0.02056	0.23384	0.01875	0.00460	8.02%	0.00785	4.98%
028	Manganese (mg / kg (ppm))	28	27	15.400	2.2190	15.195	2.0107	0.48370	13.23%	1.4560	10.62%
031	Phosphorus (%)	35	33	5.4647	0.42517	5.5203	0.30195	0.06570	5.47%	0.17296	3.09%
032	Potassium (%)	31	29	0.29635	0.02347	0.29438	0.02118	0.00492	7.20%	0.01410	4.81%
033	Salt as chloride (%)	8	8	0.40751	0.04133	0.41231	0.03493	0.01544	8.47%	0.01819	4.57%
034	Selenium (mg / kg (ppm))	6	6	0.49014	0.09093	0.49014	0.10311	0.05262	21.04%	0.06802	17.81%
035	Sodium (%)	29	28	0.52874	0.06375	0.52759	0.03429	0.00810	6.50%	0.01485	4.40%
036	Sulfur (%)	10	9	0.41992	0.09220	0.41280	0.08745	0.03644	21.18%	0.01239	4.57%
037	Zinc (mg / kg (ppm))	27	25	90.449	11.067	90.487	9.6391	2.4098	10.65%	3.3963	8.12%
038	Molybdenum (mg / kg (ppm))	3	3	0.18883	0.04297	0.18883	0.04297	0.02481	22.76%	0.04640	20.56%
042	Chloride (%)	1	1	0.26400							

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101	Choline Chloride (mg / kg (ppm))	1	1	202.00							
104	Riboflavin (mg / kg (ppm))	1	1	4.3500							
105	Thiamine (mg / kg (ppm))	1	1	0.35000							
106	Vitamin A (KU / kg)	2		0.00000							
108	Vitamin D3 (KU / kg)	2		0.00000							
109	Vitamin E (IU/kg)	1		0.00000							
120	Alanine (%)	6	6	3.9248	0.28557	3.9248	0.32384	0.16526	8.25%	0.09057	3.26%
121	Arginine (%)	7	7	3.6586	0.20123	3.6586	0.22819	0.10781	6.24%	0.05717	3.29%
122	Aspartic (%)	7	7	3.5300	0.18958	3.5300	0.21499	0.10157	6.09%	0.08773	3.31%
124	Cysteine/Cystine (%)	7	7	0.39586	0.04955	0.39586	0.05619	0.02655	14.19%	0.02489	4.60%
125	Glutamic (%)	7	7	5.7991	0.39748	5.8204	0.40080	0.18936	6.89%	0.09826	3.07%
126	Glycine (%)	7	7	7.7743	0.41411	7.7942	0.42300	0.19985	5.43%	0.15529	2.94%
127	Histidine (%)	7	6	0.79740	0.10036	0.79740	0.11381	0.05808	14.27%	0.01810	4.14%
128	Isoleucine (%)	7	7	1.2545	0.13811	1.2545	0.15662	0.07400	12.48%	0.04187	3.87%
129	Leucine (%)	7	7	2.7202	0.15502	2.7138	0.16091	0.07602	5.93%	0.08840	3.44%
130	L-Lysine (%)	7	7	2.3992	0.16162	2.3928	0.16862	0.07966	7.05%	0.07853	3.51%
131	Methionine (%)	7	7	0.68119	0.05399	0.68119	0.06122	0.02893	8.99%	0.02177	4.24%
132	Phenylalanine (%)	7	7	1.5956	0.12837	1.5956	0.14557	0.06878	9.12%	0.05210	3.73%
133	Proline (%)	7	7	4.7124	0.19092	4.7215	0.19535	0.09229	4.14%	0.23857	3.17%
134	Serine (%)	7	7	1.9311	0.08472	1.9311	0.09607	0.04539	4.97%	0.06867	3.62%
135	Threonine (%)	8	8	1.5148	0.06109	1.5148	0.06927	0.03061	4.57%	0.08871	3.76%
136	Tryptophan (%)	6	6	0.25721	0.06771	0.26969	0.03896	0.01988	14.45%	0.01532	4.87%
137	Tyrosine (%)	7	7	1.0108	0.13355	1.0108	0.15145	0.07155	14.98%	0.04737	3.99%
138	Valine (%)	7	7	1.8761	0.20008	1.8761	0.22689	0.10720	12.09%	0.10557	3.64%
139	Taurine (%)	6	6	0.06768	0.05398	0.05374	0.02507	0.01279	46.65%	0.00417	6.21%
160	Fructose (%)	2		0.00000							
161	Galactose (%)	1		0.00000							
162	Glucose (%)	2		0.00000							
163	Lactose (%)	2		0.00000							
164	Maltose (%)	2		0.00000							
165	Sucrose (%)	2		0.00000							
400	Water activity (Units)	4	4	0.37203	0.02582	0.37203	0.02582	0.01291	6.94%	0.00695	
516	Arsenic, total (mg / kg (ppm))	3	2	0.05750	0.00495	0.05750	0.00495	0.00350	8.61%	0.00900	22.00%
518	Cadmium (mg / kg (ppm))	1		0.00000							
520	Chromium (mg / kg (ppm))	2	2	0.86250	0.27224						
526	Lead (mg / kg (ppm))	1	1	0.22700							
539	Nickel (mg / kg (ppm))	1	1	1.6150							
710	Lauric Acid (12:0) (% (w/w))	2	2	0.01000	0.00000						

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714	Myristic Acid (14:0) (% (w/w))	2	2	0.31750	0.04596						
716	Palmitic Acid (16:0) (% (w/w))	2	2	2.5200	0.37477						
718	Palmitoleic Acid (9c-16:1) (% (w/w))	1	1	0.31000							
722	Stearic Acid (18:0) (% (w/w))	1	1	1.8900							
724	Oleic Acid (9c-18:1) (% (w/w))	2	2	3.6800	0.69296						
726	Linoleic Acid (9c,12c-18:2) (% (w/w))	2	2	0.35000	0.02121						
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (% (w/w))	2	2	0.02500	0.00707						
732	Gondoic Acid (11c-20:1) (% (w/w))	1	1	0.02000							
736	Arachidonic Acid (5c,8c,11c,14c-20:4) (% (w/w))	1	1	0.06000							
740	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5) (% (w/w))	2	1	0.06000							
742	Behenic Acid (22:0) (% (w/w))	1	1	0.01000							
748	Lignoceric Acid (24:0) (% (w/w))	1	1	0.01000							
750	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6) (% (w/w))	1	1	0.00000							
754	Total n-3 Polyunsaturated (Omega-3) Fatty Acids	2	2	0.08000	0.05657						
756	Total n-6 Polyunsaturated (Omega-6) Fatty Acids	2	2	0.42250	0.02475						
758	Total Saturated Fatty Acids (% (w/w))	1	1	4.3050							
766	Total Polyunsaturated Fatty Acids (% (w/w))	1	1	0.52000							
772	Total Fatty Acids (% (w/w))	2	2	9.7100	0.50205						

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.